



Teacher's
Manual



Practice Makes Perfect !

MATHS GENIUS

An Activity-based Course in
Mathematics



Designed
by Expert
Mathematicians

Sharma | Verma

Book-1 2

Book-260



Various Sizes

Review Exercise

1. Tick (✓) the lighter object.



2. Tick (✓) the smaller object.



Warm-up Activity

Look at the picture and fill in the blanks with **on**, **under**, **above** and **below**.

The fan is **above** the bed.

A ball is **Under** the table.

The book is **on** the table.

The calender is **below** the picture.



Let Us Do

Tick (✓) the smaller object.

(a)



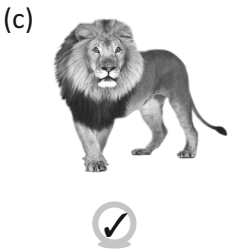
(b)





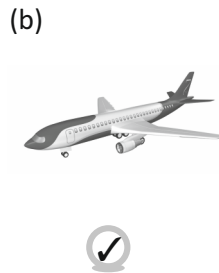
Let Us Do

Tick (✓) the tallest thing in each case.



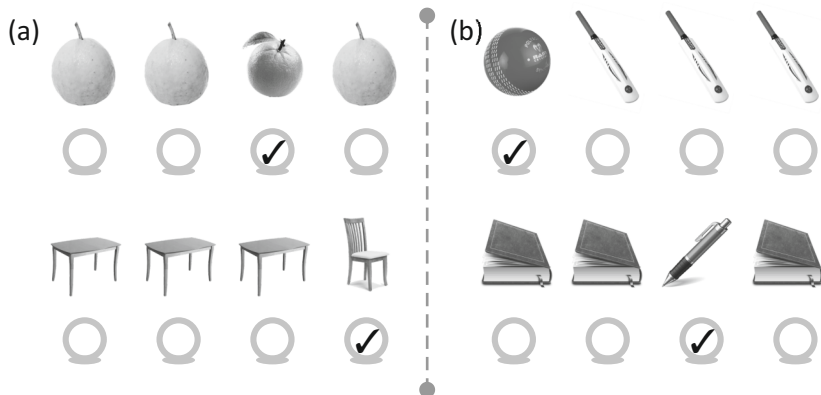
Let Us Do

Tick (✓) the longer object.



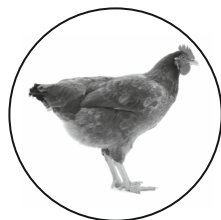
Let Us Do

Tick (✓) the different thing in each cases.



Let Us Do

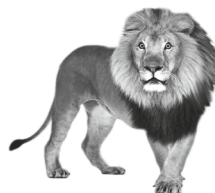
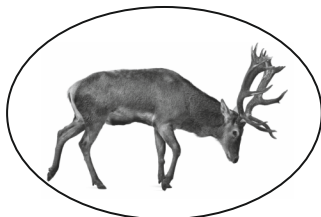
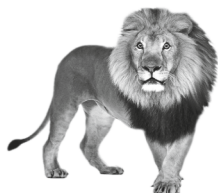
Circle the hen which is after the chick.



Cross the butterfly which is before the flower.



Circle the swamp deer which is between the lions.



Learn with Fun

In the given picture some animals are near Meera and some are far. Identify each animal position and write their names in the appropriate box.



Near	Far	Animals
Cow	—	Cow
—	Horse	Horse
—	Ox	Ox
Goat	—	Goat
—	Parrot	Parrot
Puppy	—	Puppy
Hen	—	Hen

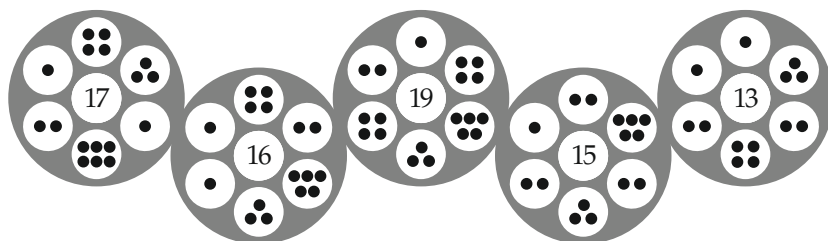
Review Exercise

- Write the missing numbers in the given sequences.

35	36	37	38	39	40
25	26	27	28	29	30
31	32	33	34	35	36
45	46	47	48	49	50

Warm-up Activity

Count the number of dots in each circle. Draw the remaining dots in the blank space to get the number given in the centre of the circle.



Let Us Do

- Let us count forward.

48 to 57

48	49	50	51	52	53	54	55	56	57
----	----	----	----	----	----	----	----	----	----

65 to 74

65	66	67	68	69	70	71	72	73	74
----	----	----	----	----	----	----	----	----	----

2. Let us count backward.

71 to 62

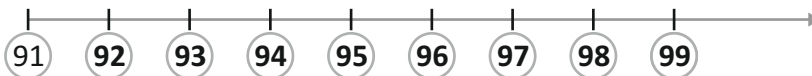
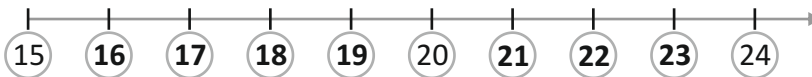
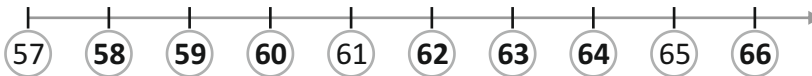
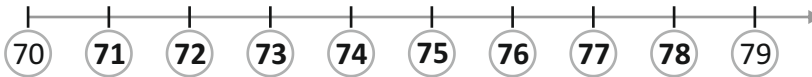
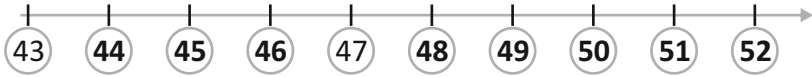
71	70	69	68	67	66	65	64	63	62
----	-----------	-----------	-----------	----	-----------	-----------	-----------	-----------	-----------

46 to 37

46	45	44	43	42	41	40	39	38	37
-----------	-----------	-----------	-----------	----	-----------	-----------	----	-----------	-----------

Let Us Do

- Let us write the missing numbers on the number line.



Let Us Do

- Write in words :

(a) 39 – **Thirty nine**

(b) 54 – **Fifty four**

(c) 82 – **Eighty two**

(d) 73 – **Seventy three**

(e) 69 – **Sixty nine**

(f) 78 – **Seventy eight**

(g) 60 – **Sixty**

(h) 87 – **Eighty seven**

(i) 99 – **Ninety nine**

(j) 81 – **Eighty one**

- | | |
|------------------------------|-----------------------------|
| (k) 38 – Thirty eight | (l) 45 – Forty five |
| (m) 57 – Fifty seven | (n) 62 – Sixty two |
| (o) 76 – Seventy six | (p) 85 – Eighty five |
| (q) 95 – Ninety five | (r) 55 – Fifty five |

Let Us Do

- Write in figures :

- | | | | |
|-------------------|---------------------------------|------------------|---------------------------------|
| (a) Ninety | <input type="text" value="90"/> | (b) Twenty nine | <input type="text" value="29"/> |
| (c) Fifty one | <input type="text" value="51"/> | (d) Thirty nine | <input type="text" value="39"/> |
| (e) Twenty three | <input type="text" value="23"/> | (f) Seventy four | <input type="text" value="74"/> |
| (g) Sixty seven | <input type="text" value="67"/> | (h) Ninety four | <input type="text" value="94"/> |
| (i) Seventy eight | <input type="text" value="78"/> | (j) Fifty | <input type="text" value="50"/> |
| (k) Sixty six | <input type="text" value="66"/> | (l) Eighty nine | <input type="text" value="89"/> |
| (m) Forty two | <input type="text" value="42"/> | (n) Eighty three | <input type="text" value="83"/> |
| (o) Eighty | <input type="text" value="80"/> | (p) Forty eight | <input type="text" value="48"/> |

Progress Corner

Write the number that comes:

- | | |
|--------------------|---|
| 1. before 6 | 5 |
| 2. between 2 and 4 | 3 |
| 3. after 7 | 8 |



Ordinal Numbers

Review Exercise

A. Circle the seventh star from left.

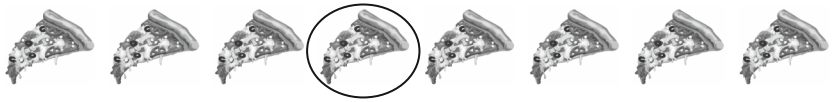


8

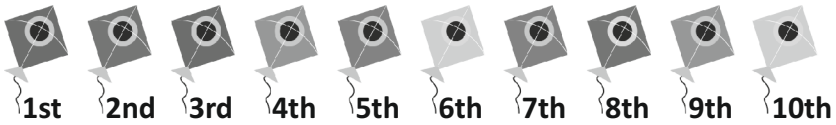
B. Circle the fifth hat from right.



C. Circle the fourth pizza slice from left.



Warm-up Activity

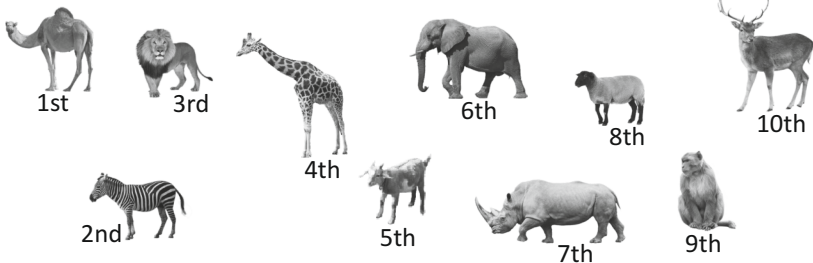


Fill in the blanks.

1. The **1st** and **3rd** kites are red.
2. The **2nd** and **8th** kites are green.
3. The **5th** and **7th** kites are blue.
4. The **6th** and **10th** kites are yellow.
5. The **4th** and **9th** kites are orange.

Let Us Do

1. Study the pictures and fill in the blanks.



Name

ordinals

- | | | |
|------------------|------------|---------|
| (a) Zebra is the | 2nd | animal. |
| (b) Goat is the | 5th | animal. |
| (c) Sheep is the | 8th | animal. |
| (d) Rhino is the | 7th | animal. |

- (e) Deer is the **10th** animal.
- (f) Camel is the **1st** animal.
- (g) Lion is the **3rd** animal.
- (h) Monkey is the **9th** animal.
- (i) Elephant is the **6th** animal.
- (j) Giraffe is the **4th** animal.

2. Name the animal between the 3rd and 5th positions.

Giraffe

3. Name the animal next to the giraffe's position.

Goat

4. Name the animal before the monkey's position.

Sheep

5. Colour the pictures as stated below. Start counting from the left.

- (a) Colour the second capsicum with pink colour.



- (b) Colour the seventh banana with yellow colour.



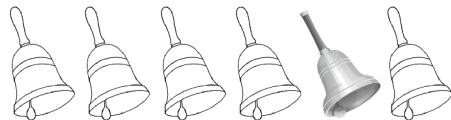
- (c) Colour the first van with green colour.



- (d) Colour the third balloon with blue colour.

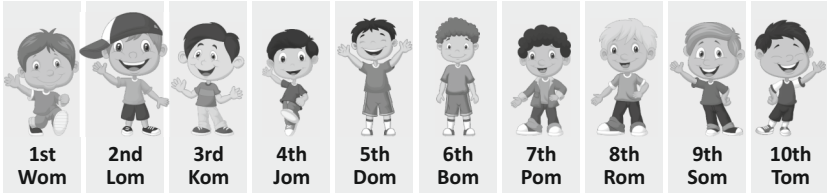


- (e) Colour the fifth bell with orange colour.



Learn with Fun

• Position



- Match each boy with its position in the race. One has been done for you.

- | | | | | | |
|--------|-----|--------|---------|------|---------|
| 1. Bom | 6th | sixth | 2. Pom | 7th | seventh |
| 3. Dom | 5th | fifth | 4. Rom | 8th | eighth |
| 5. Jom | 4th | fourth | 6. Som | 9th | ninth |
| 7. Kom | 3rd | third | 8. Tom | 10th | tenth |
| 9. Lom | 2nd | second | 10. Wom | 1st | first |



Chapter

4

Comparison of Numbers

Review Exercise

- A. Tick (✓) the greater number.

1. $58 \bigcirc 60$ ✓

2. $61 \bigcirc 71$ ✓

3. $70 \bigcirc 72$ ✓

4. $83 \bigcirc 89$ ✓

5. $91 \bigcirc 81$ ✓

6. $97 \bigcirc 99$ ✓

- B. What comes before each of the following numbers?

1. $\boxed{56} \prec \boxed{57}$

2. $\boxed{69} \prec \boxed{70}$

3. $\boxed{78} \prec \boxed{79}$

4. $\boxed{87} \prec \boxed{88}$

5. $\boxed{68} \prec \boxed{69}$

6. $\boxed{99} \prec \boxed{100}$

7. $\boxed{49} \prec \boxed{50}$

8. $\boxed{44} \prec \boxed{45}$

9. $\boxed{81} \prec \boxed{82}$

- C. What comes after each of the following numbers?

1. $\boxed{51} \succ \boxed{52}$

2. $\boxed{60} \succ \boxed{61}$

3. $\boxed{79} \succ \boxed{80}$

4. $\boxed{81} \succ \boxed{82}$

5. $\boxed{95} \succ \boxed{96}$

6. $\boxed{99} \succ \boxed{100}$

7. $\boxed{65} \succ \boxed{66}$

8. $\boxed{29} \succ \boxed{30}$

9. $\boxed{28} \succ \boxed{29}$

Warm-up Activity

Match the correct answers. Then decode the hidden message.

H	2 tens 7 ones	→ 34
O	3 tens 4 ones	→ 40
E	7 tens 3 ones	→ 55
A	6 tens 8 ones	→ 27
M	1 ten 1 one	→ 91
T	8 tens 0 ones	→ 09
S	5 tens 5 ones	→ 11
L	0 tens 9 ones	→ 68
V	4 tens 0 ones	→ 80
I	9 tens 1 one	→ 73

I	L	O	V	E	M	A	T	H	S
91	09	34	40	73	11	68	80	27	55

Let Us Do

- Put the sign '=' or '≠'.

(a) 70 <input type="checkbox"/> ≠ 80	(b) 64 <input type="checkbox"/> ≠ 44	(c) 92 <input type="checkbox"/> = 92
(d) 12 <input type="checkbox"/> ≠ 17	(e) 33 <input type="checkbox"/> = 33	(f) 57 <input type="checkbox"/> = 57

Let Us Do

- Put the correct sign >, < or = (Greater than, less than or equal to)

(a) 26 <input type="checkbox"/> > 16	(b) 63 <input type="checkbox"/> > 36	(c) 37 <input type="checkbox"/> = 37
(d) 35 <input type="checkbox"/> < 54	(e) 71 <input type="checkbox"/> > 67	(f) 48 <input type="checkbox"/> < 84
(g) 17 <input type="checkbox"/> = 17	(h) 84 <input type="checkbox"/> = 84	(i) 52 <input type="checkbox"/> < 72

Let Us Do

- Look at the following numbers and fill in the blanks.

21	22	23	24	25	26	27	28	29	30
----	----	----	----	----	----	----	----	----	----

- (a) 25 comes before **26**.
- (b) 27 comes after **26**.
- (c) 24 comes between **23** and **25**.
- (d) **22, 23** and **24** come between 21 and 25.

2. What comes just before.

- (a) **45** 46 (b) **74** 75 (c) **29** 30 (d) **73** 74
- (e) **54** 55 (f) **58** 59 (g) **78** 79 (h) **50** 51
- (i) **49** 50 (j) **62** 63 (k) **52** 53 (l) **22** 23

3. What comes after?

- (a) 40 **41** (b) 63 **64** (c) 25 **26** (d) 27 **28**
- (e) 71 **72** (f) 50 **51** (g) 34 **35** (h) 72 **73**
- (i) 45 **46** (j) 90 **91** (k) 85 **86** (l) 92 **93**

4. What comes in between?

- (a) 69 **70** 71 (b) 45 **46** 47 (c) 35 **36** 37
- (d) 94 **95** 96 (e) 71 **72** 73 (f) 18 **19** 20
- (g) 91 **92** 93 (h) 26 **27** 28 (i) 47 **48** 49

5. Write the number that comes before, after or in between.

- (a) 69 **70** (b) 54 **55** 56 (c) **98** 99
- (d) 15 **16** (e) 71 **72** 73 (f) **43** 44

Let Us Do

Arrange the following numbers in ascending (or increasing) order.

- (a) 20 40 60 10 70
10 20 40 60 70
- (b) 13 20 18 31 15
13 15 18 20 31
- (c) 6 9 5 1 8
1 5 6 8 9

- (d) 93 61 85 26 49
 (26) (49) (61) (85) (93)
- (e) 42 54 37 40 31
 (31) (37) (40) (42) (54)

Let Us Do

Arrange the following numbers in descending (or decreasing) order.

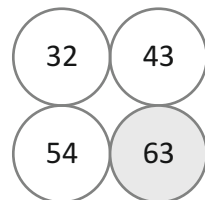
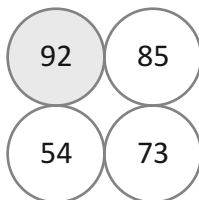
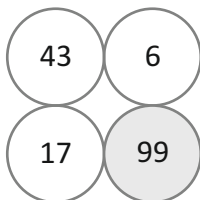
- (a) 7 2 9 5 3
 (9) (7) (5) (3) (2)
- (b) 30 40 60 10 50
 (60) (50) (40) (30) (10)
- (c) 98 53 87 29 74
 (98) (87) (74) (53) (29)
- (d) 91 78 82 61 47
 (91) (82) (78) (61) (47)
- (e) 93 50 97 74 68
 (97) (93) (74) (68) (50)

Let Us Do

1. Circle the greatest number in each group.

- (a) 5, 35, 27, (59), 11 (b) 45, 25, 15, 35, (85)
 (c) 70, (80), 50, 60, 40 (d) 21, 34, (55), 18, 19

2. Colour the greatest number in each of the following collections.



Let Us Do

1. Circle the smallest number in each group.

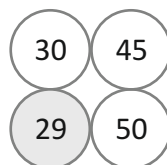
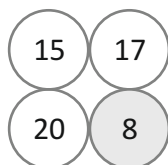
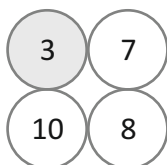
(a) 9, 18, 57, 43, 69

(b) 11, 13, 21, 40, 22

(c) 90, 74, 61, 49, 89

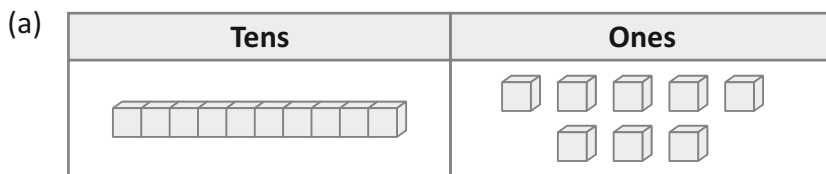
(d) 78, 99, 90, 69, 89

2. Colour the smallest number in each of the following collections.



Let Us Do

1. Count the following in tens and ones.



1 Tens + 8 Ones = 1 8

2. Match the following.

(a)

86

Fifty seven

(b)

63

Eighty six

(c)

57

Sixty three

15

3. Represent in numeral form.

(a) One ten and six ones

16

(b) Four tens and seven ones

47

(c) Seven tens and four ones

74

(d) Two tens and nine ones

29

(e) Nine tens and nine ones

99

Let Us Do

1. Form two digit numbers using the digits given below :

(a) 1, 3

13 31

(b) 6, 7

67 76

(c) 8, 9

89 98

(d) 1, 2

12 21

(e) 5, 6

56 65

(f) 7, 8

78 87

2. Find the greatest and smallest numbers formed by the digits :

(a) 4, 5

54 45

(b) 3, 4, 5

543 345

(c) 1, 2, 3

321 123

(d) 5, 6, 7

765 567

(e) 7, 8, 9

987 789

(f) 3, 0, 5

350 035

Learn with Fun

1. Write True and False for the following statements.

(a) 90 is the greatest 2-digit number.

False

(b) 55 comes just before 54.

False

(c) 8 comes between 9 and 10.

False

(d) 29 is lesser than 33.

True

(e) 45 comes after 46.

False

(f) 98 is greater than 89.

True

2. Fill in the blanks using suitable words/signs.

(a) 98 comes just **before** 99.

(b) 79 is **greater than** 69.

(c) 10 is the **smallest** 2-digit number.

(d) 84 comes **between** 83 and 85.

(e) 31 is **greater than** 30.

(f) 1 comes just **after** 0.

3. Fill in the blanks using appropriate symbols or numbers.

(a) $90 < 91$ (b) $39 < 40$ (c) $12 = 12$

(d) $54 = 5 \text{ tens} + 4 \text{ ones}$.

(e) $20 < 43 < 59 < 70 < 92$

(f) 1 ten 9 ones **19** 2 tens 9 ones **29**

4. Arrange the numbers in descending order and write the greatest number of each group in the box.

(a) 37, 57, 47, 27, 97 **97, 57, 47, 37, 27** **97**

(b) 99, 61, 21, 36, 85 **99, 85, 61, 36, 21** **99**

(c) 29, 35, 49, 52, 90 **90, 52, 49, 35, 29** **90**

5. Arrange the numbers in ascending order and write the smallest number of each group in the box.

(a) 11, 90, 65, 57, 22 **11, 22, 57, 65, 90** **11**

(b) 32, 50, 75, 18, 24 **18, 24, 32, 50, 75** **18**

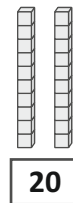
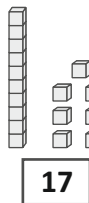
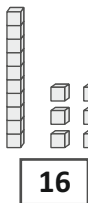
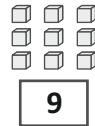
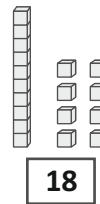
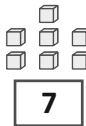
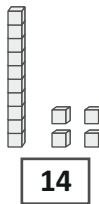
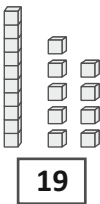
(c) 89, 43, 24, 37, 78 **24, 37, 43, 78, 89** **24**



Place Value and Face Value

Review Exercise

Count each set of blocks using place value. Write and match the word form to the correct picture.



17

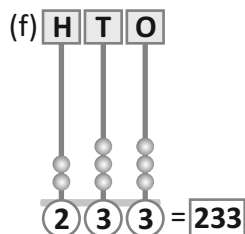
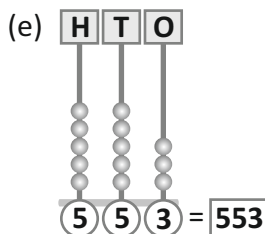
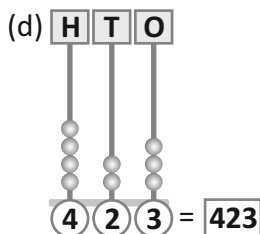
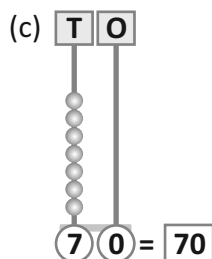
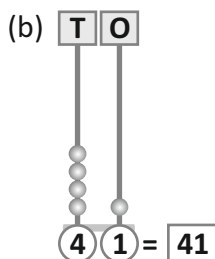
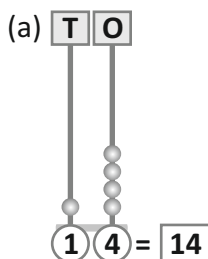
Let Us Do

- ❖ Write the face value and place value of the underlined digits in the following numbers.

Number	Face value	Place value	Number	Face value	Place value
<u>3</u> 9	3	30	5 <u>2</u>	5	50
<u>4</u> 1	4	40	<u>2</u> 0	2	20
<u>3</u> 2	2	2	<u>3</u> 5	5	5
<u>2</u> 6	2	20	<u>6</u> 3	6	60
<u>2</u> 9	9	9	<u>7</u> 6	6	6
<u>3</u> 4	3	30	<u>8</u> 2	8	80

Let Us Do

- ❖ Write the number that each abacus represents.



Let Us Do

- ❖ Write the numbers given below in expanded form :

- (a) $82 = 80 + 2$ (b) $98 = 90 + 8$ (c) $56 = 50 + 6$
 (d) $67 = 60 + 7$ (e) $88 = 80 + 8$ (f) $73 = 70 + 3$
 (g) $55 = 50 + 5$ (h) $25 = 20 + 5$ (i) $24 = 20 + 4$
 (j) $78 = 70 + 8$ (k) $86 = 80 + 6$ (l) $90 = 90 + 0$
 (m) $72 = 70 + 2$ (n) $36 = 30 + 6$

Let Us Do

❖ Write the compact form.

- | | | |
|-------------------|-------------------|-------------------|
| (a) $20 + 6 = 26$ | (b) $30 + 6 = 36$ | (c) $60 + 8 = 68$ |
| (d) $30 + 8 = 38$ | (e) $20 + 3 = 23$ | (f) $40 + 7 = 47$ |
| (g) $50 + 0 = 50$ | (h) $00 + 2 = 02$ | (i) $10 + 7 = 17$ |
| (j) $60 + 4 = 64$ | (k) $80 + 8 = 88$ | (l) $50 + 2 = 52$ |
| (m) $70 + 6 = 76$ | (n) $60 + 2 = 62$ | (o) $00 + 8 = 08$ |
| (p) $00 + 1 = 01$ | (q) $20 + 2 = 22$ | (r) $60 + 6 = 66$ |
| (s) $50 + 7 = 57$ | (t) $60 + 9 = 69$ | (u) $40 + 4 = 44$ |
| (v) $30 + 3 = 33$ | (w) $20 + 7 = 27$ | (x) $30 + 9 = 39$ |

Learn with Fun

Fill in the blanks :

• **26**
• Digit in tens place **2**.
• Place value **20**.

• **74**
• Digit in tens place **7**.
• Place value **70**.

• **59**
• Digit in tens place **5**.
• Place value **50**.

• **31**
• Digit in tens place **3**.
• Place value **30**.



Chapter
6

Addition

Review Exercise

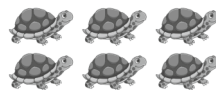
A. Count and write how many are there :



and



is



3

3

6

19



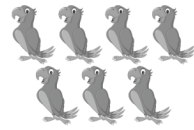
5

and



2

is



7

B. Count, say and write the numbers in the empty boxes. One has been done for you.



say plus equals

write + =



3

and



1

is



4

say plus equals

write + =



3

and



2

is



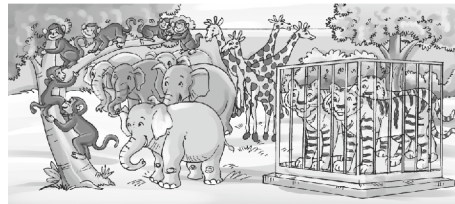
5

say plus equals

write + =

Warm-up Activity

Nancy, Julia, David and Peter went to a zoo. They counted each type of animals there.



Write how many animals of each type are there.

Nancy counted elephant and David counted tigers.

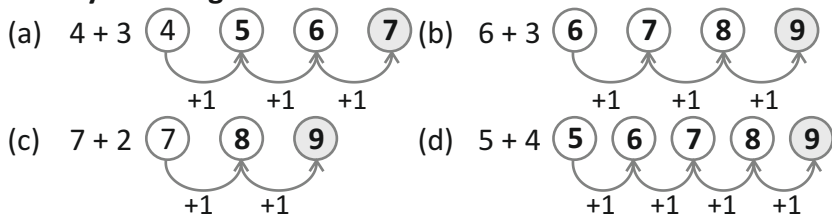
elephants and tigers = animals

Julia counted giraffes and Peter counted monkeys.

giraffes and monkeys = animals

Let Us Do

1. Add by counting forward.



2. Add the following.

(a) $4 + 0 = \boxed{4}$ (b) $6 + 4 = \boxed{10}$ (c) $8 + 2 = \boxed{10}$
 (d) $9 + 7 = \boxed{16}$ (e) $6 + 7 = \boxed{13}$ (f) $2 + 6 = \boxed{8}$

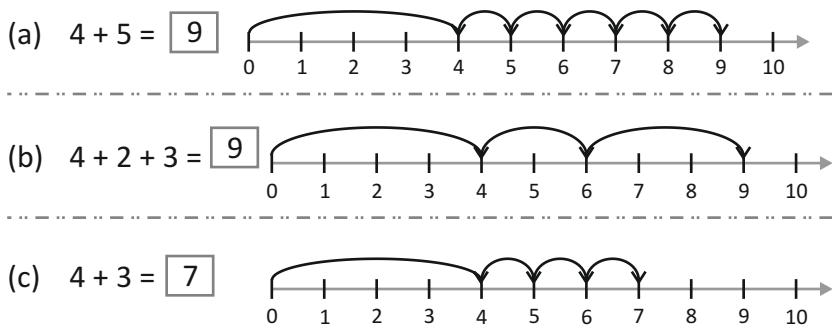
3. Fill in the blanks.

- (a) The sum of 3 and 2 is **5**. (b) 4 added to 2 is **6**.
 (c) 9 plus 3 equals **12**. (d) 7 and 2 together make **9**.

4. Add the following.

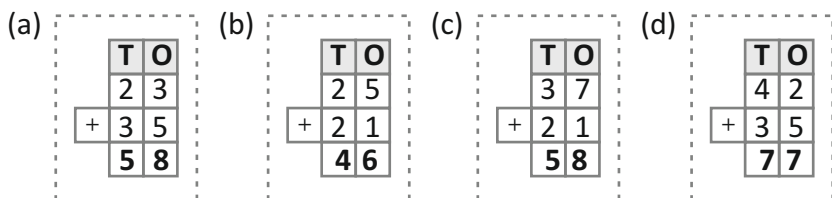
(a) $2 + 1 + 4 = \boxed{7}$ (b) $4 + 2 + 2 = \boxed{8}$
 (c) $5 + 2 + 1 = \boxed{8}$ (d) $6 + 2 + 4 = \boxed{12}$

5. Add using number line and fill in the boxes.



Let Us Do

Add the following.



(e)

	T	O
	3	1
+	3	1
	6	2

(f)

	T	O
	5	0
+	0	2
	5	2

(g)

	T	O
	8	3
+	1	3
	9	6

(h)

	T	O
	2	4
+	6	3
	8	7

(i)

	T	O
	2	3
+	1	5
	3	8

(j)

	T	O
	7	4
+	1	2
	8	6

(k)

	T	O
	5	3
+	2	0
	7	3

(l)

	T	O
	8	7
+	0	2
	8	9

Add the following.

(a)

	T	O
	2	2
	3	6
+	2	1
	7	9

(b)

	T	O
	6	3
	2	2
+	1	1
	9	6

(c)

	T	O
	3	2
	3	2
+	1	1
	7	5

(d)

	T	O
	5	4
	1	4
+	1	1
	7	9

(e)

	T	O
	1	4
	2	2
+	3	2
	6	8

(f)

	T	O
	2	2
	2	0
+	2	0
	6	2

(g)

	T	O
	0	1
	2	2
+	6	5
	8	8

(h)

	T	O
	3	1
	3	1
+	3	1
	9	3

Let Us Do

Add the following. One has been done for you.

(a)

	T	O
	1	
	3	6
+		9
	4	15

(b)

	T	O
	1	
	7	8
+		6
	8	4

(c)

	T	O
	1	
	5	7
+		5
	6	2

(d)

	T	O
	1	
	8	9
+		7
	9	6

(e)

	T	O
	1	
	5	4
+		9
	6	3

(f)

	T	O
	1	
	6	7
+		6
	7	3

(g)

	T	O
	1	
	7	8
+		7
	8	5

(h)

	T	O
	1	
	2	7
+		6
	3	3

Let Us Do

Add the following. One has been done for you.

(a)	<table style="border-collapse: collapse; margin: 0 auto;"> <tr><td></td><td style="border: 1px solid gray; padding: 2px;">T</td><td style="border: 1px solid gray; padding: 2px;">O</td></tr> <tr><td></td><td style="border: 1px solid gray; padding: 2px;">1</td><td style="border: 1px solid gray; padding: 2px;"></td></tr> <tr><td></td><td style="border: 1px solid gray; padding: 2px;">3</td><td style="border: 1px solid gray; padding: 2px;">7</td></tr> <tr><td style="border: 1px solid gray; padding: 2px;">+</td><td style="border: 1px solid gray; padding: 2px;">2</td><td style="border: 1px solid gray; padding: 2px;">7</td></tr> <tr><td></td><td style="border: 1px solid gray; padding: 2px;">6</td><td style="border: 1px solid gray; padding: 2px;">14</td></tr> </table>		T	O		1			3	7	+	2	7		6	14
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	5	5														
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Let Us Do

Add the following.

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	H	T	O														
	7	0	0														
+	2	5	0														
	9	5	0														

(q)

	H	T	O
	4	4	4
+	4	4	4
	8	8	8

(r)

	H	T	O
	5	3	2
+	4	6	5
	9	9	7

(s)

	H	T	O
	7	5	4
+	2	0	5
	9	5	9

(t)

	H	T	O
	3	1	6
+	4	3	2
	7	4	8

Add orally and write the answer

- Seven increased by three 10
- Five and four make 9
- One added to eight 9
- Three when added to four 7
- Ram had four sweets. His sister gave him two more. How many does he have now? 6
- Seven cows were grazing in a field. Five more cows came over there. How many cows are there in total now? 12
- Preeti had five books. Priya gave her nine more. How many books are there with her now? 14
- There are four apples, nine oranges and six pears in a basket. How many fruits are there in the basket? 19

Explore Your Understanding

- David has 15 pens and Paul has 22 pens. How many pens do they have in all?



	T	O
	□	□
	1	5
+	2	2
	3	7

- A class has 32 boys and 24 girls. Find the total number of students in the class.



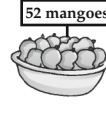
	T	O
	□	□
	3	2
+	2	4
	5	6

- There were 56 red apples and 35 green apples on two trees. How many apples were there together?



	T	O
	□	□
	5	6
+	3	5
	9	1

4. There were 52 mangoes and 39 bananas in two baskets. How many fruits were there together?



	T	O
	1	
	5	2
+	3	9
	9	1

5. There were 28 pieces of white chalk and 36 pieces of coloured chalk. How many pieces of chalk were there together?



	T	O
	1	
	2	8
+	3	6
	6	4

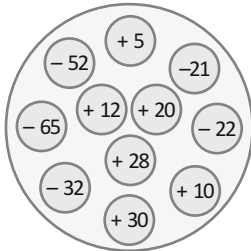
6. There were 66 tables and 37 chairs in a room. How many tables and chairs were there together?



	T	O
	1	
	6	6
+	3	7
	1	0
		3

Learn with Fun

See the circle carefully.



How many addition numbers are there in left side circle? Add them in pairs of two in box.

$$5 + 12 = 17$$

$$22 + 28 = 50$$

$$30 + 10 = 40$$



Chapter
7

Subtraction

Review Exercise

Observe and fill in the boxes :



From take away



left



From take away



left

Warm-up Activity

Count and write in the boxes.



There were apples.



apples were eaten.



So, there are apples left.

Let Us Do

1. Fill in the blanks.

(a) $9 - 4 =$

(b) $8 - 7 =$

(c) $6 - 2 =$

(d) $8 - 4 =$

(e) $3 - 2 =$

(f) $4 - 1 =$

2. Subtract and answer.

(a) $9 - 3 =$

(b) $5 - 2 =$

(c) 9 minus 4 equals

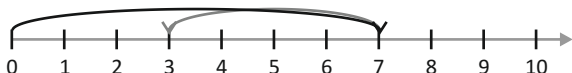
(d) 7 reduced by 5 is

(e) 3 decreased from 6 equals

(f) 6 less than 8 is

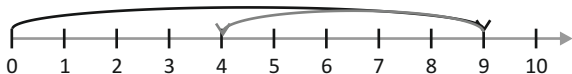
3. Subtract using number line and fill in the boxes.

(a) $7 - 4 =$



Method : Start from 0 and jump to 7. Jump back 4 places and you will reach 3.

(b) $9 - 5 =$



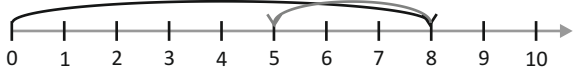
(c) $5 - 2 =$



(d) $8 - 6 =$



(e) $8 - 3 = \boxed{5}$



Let Us Do

Subtract the following.

(a)

	T	O
	8	4
-	6	3
	2	1

(b)

	T	O
	9	6
-	3	4
	6	2

(c)

	T	O
	8	5
-	5	3
	3	2

(d)

	T	O
	6	7
-	3	5
	3	2

(e)

	T	O
	3	8
-	2	7
	1	1

(f)

	T	O
	8	7
-	6	5
	2	2

(g)

	T	O
	4	8
-	2	7
	2	1

(h)

	T	O
	7	4
-	2	4
	5	0

Let Us Do

Subtract the following. One has been done for you.

(a)

	T	O
	4	13
	3	3
-		4
	4	9

(b)

	T	O
	5	14
	4	4
-		6
	5	8

(c)

	T	O
	8	11
	7	1
-		4
	8	7

(d)

	T	O
	7	15
	6	5
-		6
	7	9

(e)

	T	O
	2	17
	1	7
-		9
	2	8

(f)

	T	O
	6	18
	5	8
-		9
	6	9

(g)

	T	O
	1	12
	0	2
-		4
	1	8

(h)

	T	O
	8	15
	7	5
-		9
	8	6

Let Us Do

Subtract the following. One has been done for you.

(a)	(b)	(c)	(d)																																																												
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Explore Your Understanding

1. In a box there were 56 sweets. Ali and his sister ate 32 of them. How many sweets were left?



	T	O
	5	6
	3	2
-	3	2
	2	4

2. There were 96 pages in a book. If Raman read 25 pages, how many pages were left to be read?



	T	O
	9	6
	2	5
-	2	5
	7	1

3. The sum of the two numbers is 78. One of the numbers is 39. Find the other number?



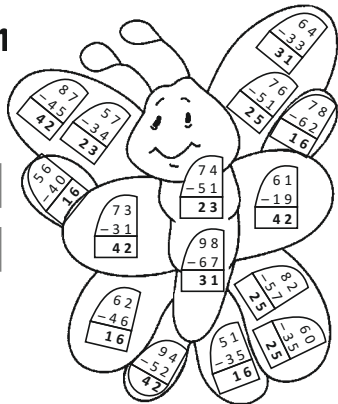
	T	O
	7	8
	3	9
-	3	9
	3	9

Learn with Fun

Colour the answer box by using the colour code.

16	Red
23	Orange
25	Yellow

31	Green
42	Purple



EVEN NUMBERS

Numbers 1 to 99 are given below. Circle every second number. Begin with 2 as shown.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	X

Write the circled numbers here.

2	4	6	8	10	12	14	16	18	20
22	24	26	28	30	32	34	36	38	40
42	44	46	48	50	52	54	56	58	60
62	64	66	68	70	72	74	76	78	80
82	84	86	88	90	92	94	96	98	X

Let Us Do

Circle the even numbers in the chart given below.

1	2	5	9	8	72	19	39	22	73
10	11	13	92	39	85	21	89	71	7
34	47	80	91	10	67	84	30	15	48
18	26	14	79	75	25	60	16	55	29
86	17	12	87	78	83	31	82	51	59

ODD NUMBERS

Numbers 1 to 99 are given below.

Circle every second number. Begin with 1 as shown.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	

Write the circled numbers here.

1	3	5	7	9	11	13	15	17	19
21	23	25	27	29	31	33	35	37	39
41	43	45	47	49	51	53	55	57	59
61	63	65	67	69	71	73	75	77	79
81	83	85	87	89	91	93	95	97	99

Circle the odd numbers in the chart given below.

2	85	89	42	17	3	75	66	7	5
82	45	15	11	83	50	86	39	53	56
14	24	65	77	37	47	98	21	48	67
16	84	41	88	60	10	21	79	35	100
69	9	30	49	74	62	99	57	81	78

Written below are numbers 1 to 50. Circle every fifth number. Begin with 5 as shown.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50

Write below the numbers circled above.

5	10	15	20	25	30	35	40	45	50
---	----	----	----	----	----	----	----	----	----

Let Us Do

1. What number is 2 more than: 2. What number is 2 less than:

(a)

20	22
----	----

(a)

55	57
----	----

(b)

89	91
----	----

(b)

89	91
----	----

(c)

12	14
----	----

(c)

25	27
----	----

(d)

46	48
----	----

(d)

13	15
----	----

(e)

77	79
----	----

(e)

37	39
----	----



Multiplication

Review Exercise

- ❖ Put the following in repeated addition form.

1.	3×2	$2 + 2 + 2$	=	6
2.	5×2	$2 + 2 + 2 + 2 + 2$	=	10
3.	4×3	$3 + 3 + 3 + 3$	=	12
4.	6×2	$2 + 2 + 2 + 2 + 2 + 2$	=	12
5.	7×3	$3 + 3 + 3 + 3 + 3 + 3 + 3$	=	21
6.	4×4	$4 + 4 + 4 + 4$	=	16
7.	2×4	$4 + 4$	=	8
8.	5×3	$3 + 3 + 3 + 3 + 3$	=	15
9.	8×2	$2 + 2 + 2 + 2 + 2 + 2 + 2 + 2$	=	16
10.	5×4	$4 + 4 + 4 + 4 + 4$	=	20

Warm-up Activity



5



5



5

3 groups of 5 = **15**

$$5 + 5 + 5$$

Let Us Do

Solve the following. One has been done for you.

1. How many groups are there ?

How many grapes are there in each group?

The total number of grapes are

$$4 \times 2 = \boxed{8}$$



$$\begin{array}{r} 4 \\ \times 2 \\ \hline 8 \end{array}$$

2. How many groups are there?

How many crayons are there in each group?

The total number of crayons are

$$4 \times 3 = \boxed{12}$$



$$\begin{array}{r} 4 \\ \times 3 \\ \hline 12 \end{array}$$

3. How many groups are there?

How many fish are there in each group?

The total number of fish are

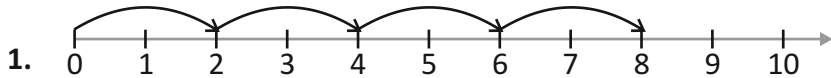
$$3 \times 4 = \boxed{12}$$



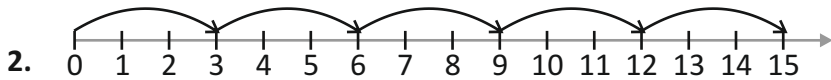
$$\begin{array}{r} 3 \\ \times 4 \\ \hline 12 \end{array}$$

Let Us Do

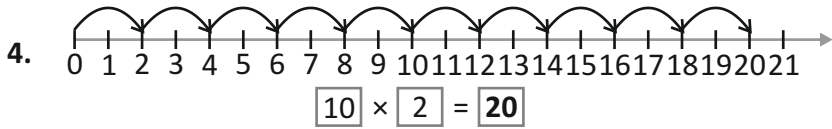
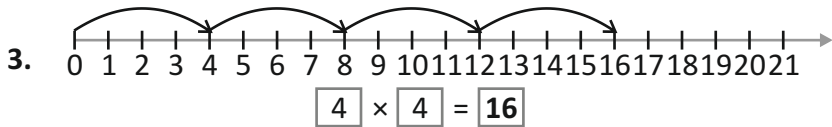
Write the multiplication fact for each. First one has been done for you.



$$\boxed{4} \times \boxed{2} = \boxed{8}$$



$$\boxed{5} \times \boxed{3} = \boxed{15}$$



Let Us Do

1. Multiply and write in the boxes.

(a) A hand has 5 fingers.

2 hands have $\boxed{2} \times \boxed{5}$ fingers = 10 fingers.



(b) A clock has 3 needles.

6 clocks have $\boxed{6} \times \boxed{3}$ needles = 18 needles.



(c) A boy has 2 eyes.

5 boys have $\boxed{5} \times \boxed{2}$ eyes = 10 eyes.



2. Fill in the blanks.

(a) 2 taken 4 times is $\boxed{8}$ (b) 3 taken 6 times is $\boxed{18}$

(c) 4 taken 5 times is $\boxed{20}$ (d) 10 taken 4 times is $\boxed{40}$

(e) 10 taken 5 times is $\boxed{50}$ (f) 4 taken 2 times is $\boxed{8}$

3. Multiply the following.

(a) $3 \times 5 = \boxed{15}$ (b) $4 \times 3 = \boxed{12}$ (c) $6 \times 10 = \boxed{60}$

(d) $4 \times 7 = \boxed{28}$ (e) $5 \times 10 = \boxed{50}$ (f) $10 \times 10 = \boxed{100}$

(g) $2 \times 10 = \boxed{20}$ (h) $6 \times 7 = \boxed{42}$ (i) $5 \times 6 = \boxed{30}$

(j) $3 \times 10 = \boxed{30}$ (k) $4 \times 5 = \boxed{20}$ (l) $4 \times 10 = \boxed{40}$

(m) $5 \times 2 = \boxed{10}$ (n) $10 \times 9 = \boxed{90}$ (o) $8 \times 5 = \boxed{40}$

(p) $6 \times 6 = \boxed{36}$ (q) $5 \times 3 = \boxed{15}$ (r) $7 \times 9 = \boxed{63}$

(s) $2 \times 9 = \boxed{18}$ (t) $6 \times 3 = \boxed{18}$ (u) $3 \times 2 = \boxed{6}$

Let Us Do

Multiply the following.

- (a) $\begin{array}{|c|c|} \hline & 3 \\ \hline \times & 3 \\ \hline & 9 \\ \hline \end{array}$ (b) $\begin{array}{|c|c|} \hline & 3 \\ \hline \times & 4 \\ \hline 1 & 2 \\ \hline \end{array}$ (c) $\begin{array}{|c|c|} \hline & 5 \\ \hline \times & 3 \\ \hline 1 & 5 \\ \hline \end{array}$ (d) $\begin{array}{|c|c|} \hline & 9 \\ \hline \times & 3 \\ \hline 2 & 7 \\ \hline \end{array}$ (e) $\begin{array}{|c|c|} \hline & 7 \\ \hline \times & 3 \\ \hline 2 & 1 \\ \hline \end{array}$
- (f) $\begin{array}{|c|c|} \hline & 8 \\ \hline \times & 3 \\ \hline 2 & 4 \\ \hline \end{array}$ (g) $\begin{array}{|c|c|} \hline & 9 \\ \hline \times & 5 \\ \hline 4 & 5 \\ \hline \end{array}$ (h) $\begin{array}{|c|c|} \hline & 7 \\ \hline \times & 5 \\ \hline 3 & 5 \\ \hline \end{array}$ (i) $\begin{array}{|c|c|} \hline & 8 \\ \hline \times & 9 \\ \hline 7 & 2 \\ \hline \end{array}$ (j) $\begin{array}{|c|c|} \hline & 6 \\ \hline \times & 6 \\ \hline 3 & 6 \\ \hline \end{array}$
- (k) $\begin{array}{|c|c|} \hline & 7 \\ \hline \times & 4 \\ \hline 2 & 8 \\ \hline \end{array}$ (l) $\begin{array}{|c|c|} \hline & 4 \\ \hline \times & 6 \\ \hline 2 & 4 \\ \hline \end{array}$ (m) $\begin{array}{|c|c|} \hline & 4 \\ \hline \times & 5 \\ \hline 2 & 0 \\ \hline \end{array}$ (n) $\begin{array}{|c|c|} \hline & 8 \\ \hline \times & 5 \\ \hline 4 & 0 \\ \hline \end{array}$ (o) $\begin{array}{|c|c|} \hline & 9 \\ \hline \times & 6 \\ \hline 5 & 4 \\ \hline \end{array}$

Let Us Do

Multiply the following.

- (a) $\begin{array}{|c|c|} \hline T & O \\ \hline 2 & 1 \\ \hline \times & 4 \\ \hline 8 & 4 \\ \hline \end{array}$ (b) $\begin{array}{|c|c|} \hline T & O \\ \hline 2 & 3 \\ \hline \times & 3 \\ \hline 6 & 9 \\ \hline \end{array}$ (c) $\begin{array}{|c|c|} \hline T & O \\ \hline 2 & 2 \\ \hline \times & 4 \\ \hline 8 & 8 \\ \hline \end{array}$ (d) $\begin{array}{|c|c|} \hline T & O \\ \hline 1 & 1 \\ \hline \times & 7 \\ \hline 7 & 7 \\ \hline \end{array}$ (e) $\begin{array}{|c|c|} \hline T & O \\ \hline 2 & 1 \\ \hline \times & 3 \\ \hline 6 & 3 \\ \hline \end{array}$
- (f) $\begin{array}{|c|c|} \hline T & O \\ \hline 2 & 2 \\ \hline \times & 2 \\ \hline 4 & 4 \\ \hline \end{array}$ (g) $\begin{array}{|c|c|} \hline T & O \\ \hline 4 & 3 \\ \hline \times & 2 \\ \hline 8 & 6 \\ \hline \end{array}$ (h) $\begin{array}{|c|c|} \hline T & O \\ \hline 2 & 3 \\ \hline \times & 2 \\ \hline 4 & 6 \\ \hline \end{array}$ (i) $\begin{array}{|c|c|} \hline T & O \\ \hline 3 & 1 \\ \hline \times & 3 \\ \hline 9 & 3 \\ \hline \end{array}$ (j) $\begin{array}{|c|c|} \hline T & O \\ \hline 1 & 1 \\ \hline \times & 4 \\ \hline 4 & 4 \\ \hline \end{array}$
- (k) $\begin{array}{|c|c|} \hline T & O \\ \hline 1 & 0 \\ \hline \times & 5 \\ \hline 5 & 0 \\ \hline \end{array}$ (l) $\begin{array}{|c|c|} \hline T & O \\ \hline 3 & 3 \\ \hline \times & 3 \\ \hline 9 & 9 \\ \hline \end{array}$ (m) $\begin{array}{|c|c|} \hline T & O \\ \hline 1 & 2 \\ \hline \times & 4 \\ \hline 4 & 8 \\ \hline \end{array}$ (n) $\begin{array}{|c|c|} \hline T & O \\ \hline 3 & 4 \\ \hline \times & 2 \\ \hline 6 & 8 \\ \hline \end{array}$ (o) $\begin{array}{|c|c|} \hline T & O \\ \hline 2 & 4 \\ \hline \times & 2 \\ \hline 4 & 8 \\ \hline \end{array}$

Let Us Do

Multiply the following.

- (a) $\begin{array}{|c|c|} \hline T & O \\ \hline 1 & \\ \hline 2 & 6 \\ \hline \times & 2 \\ \hline 5 & 2 \\ \hline \end{array}$ (b) $\begin{array}{|c|c|} \hline T & O \\ \hline 1 & \\ \hline 2 & 8 \\ \hline \times & 2 \\ \hline 5 & 6 \\ \hline \end{array}$ (c) $\begin{array}{|c|c|} \hline T & O \\ \hline 2 & \\ \hline 2 & 9 \\ \hline \times & 3 \\ \hline 8 & 7 \\ \hline \end{array}$ (d) $\begin{array}{|c|c|} \hline T & O \\ \hline 1 & \\ \hline 3 & 7 \\ \hline \times & 2 \\ \hline 7 & 4 \\ \hline \end{array}$ (e) $\begin{array}{|c|c|} \hline T & O \\ \hline 1 & \\ \hline 4 & 6 \\ \hline \times & 2 \\ \hline 9 & 2 \\ \hline \end{array}$ (f) $\begin{array}{|c|c|} \hline T & O \\ \hline 2 & \\ \hline 1 & 8 \\ \hline \times & 3 \\ \hline 5 & 4 \\ \hline \end{array}$

(g)

T	O
1	
2	9
×	2
5	8

 (h)

T	O
3	
1	9
×	4
7	6

 (i)

T	O
2	
1	5
×	4
6	0

 (j)

T	O
2	
1	9
×	3
5	7

 (k)

T	O
1	
3	6
×	2
7	2

 (l)

T	O
1	
3	8
×	2
7	6

Let Us Do

Multiply the following.

(a)

H	T	O
3	2	4
×		2
6	4	8

 (b)

H	T	O
3	2	2
×		2
6	4	4

 (c)

H	T	O
4	1	3
×		2
8	2	6

 (d)

H	T	O
2	1	3
×		3
6	3	9

(e)

H	T	O
3	3	3
×		3
9	9	9

 (f)

H	T	O
2	1	2
×		4
8	4	8

 (g)

H	T	O
1	4	4
×		2
2	8	8

 (h)

H	T	O
1	1	1
×		5
5	5	5

Explore Your Understanding

1. Arun gave 5 balloons each to 3 friends on his birthday. How many balloons did he give in all?



	5
×	3
1	5

2. A colour pencil box has 10 pencils. How many pencils will be there in 4 boxes?



1	0
×	4
4	0

3. 9 biscuits are in a tray. How many biscuits will be there in 4 such trays?



	9
×	4
3	6

4. 20 books are in a shelf. How many books will be there in 4 shelves?



2	0
×	4
8	0

5. In a van, 7 children can sit. How many children can sit in 5 vans?




	7
×	5
3	5


Learn with Fun

- ❖ Now look at these pictures carefully and write the answers in repeated addition as well as in multiplication form. One has been done for you.


1.


$$\boxed{3} + \boxed{3} + \boxed{3} + \boxed{3} + \boxed{3} = \boxed{15}$$
$$\boxed{3} \times \boxed{5} = \boxed{15}$$


2.


$$\boxed{4} + \boxed{4} + \boxed{4} + \boxed{4} + \boxed{4} + \boxed{4} = \boxed{24}$$
$$\boxed{4} \times \boxed{6} = \boxed{24}$$

3.


$$\boxed{7} + \boxed{7} + \boxed{7} + \boxed{7} = \boxed{28}$$
$$\boxed{7} \times \boxed{4} = \boxed{28}$$

4.


$$\boxed{3} + \boxed{3} + \boxed{3} + \boxed{3} + \boxed{3} + \boxed{3} + \boxed{3} + \boxed{3} = \boxed{24}$$
$$\boxed{3} \times \boxed{8} = \boxed{24}$$



Chapter

10

Division

Review Exercise

- ❖ Solve the following division problems with the help of figures.

1. $\boxed{10} \div \boxed{2} = \boxed{5}$



2. $\boxed{30} \div \boxed{3} = \boxed{10}$



3. $45 \div 5 = 9$



4. $28 \div 7 = 4$



Warm-up Activity

1. $12 \div 2 = 6$

2. $8 \div 2 = 4$

3. $10 \div 2 = 5$

4. $6 \div 2 = 3$

5. $14 \div 2 = 7$

Let Us Do

Solve the following. One has been done for you.

1. 5 girls share 15 balloons. The facts are :

(a) $15 \div 5 = 3$ balloons.

(b) $3 \times 5 = 15$ balloons.

(c) Each girl gets 3 balloons.



2. 3 girls share 12 cakes. The facts are :

(a) $12 \div 3 = 4$ cakes.

(b) $4 \times 3 = 12$ cakes.

(c) Each girl gets 4 cakes.



3. 3 babies share 9 toys. The facts are :

(a) $9 \div 3 = 3$ toys.

(b) $3 \times 3 = 9$ toys.

(c) Each baby gets 3 toys.



4. 5 girls share 10 flowers. The facts are :

(a) $10 \div 5 = 2$ flowers.

(b) $2 \times 5 = 10$ flowers.

(c) Each girl gets 2 flowers.

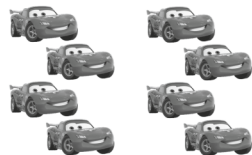


5. 2 boys share 8 toy cars. The facts are :

(a) $8 \div 2 = 4$ toy cars.

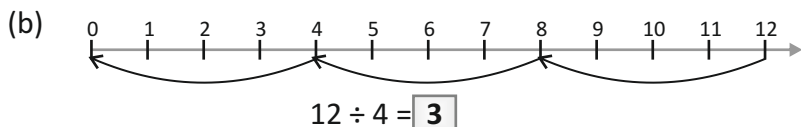
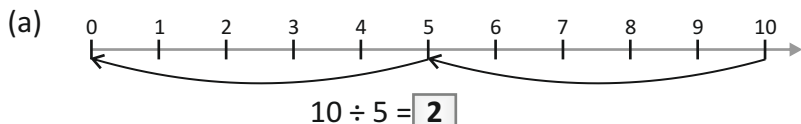
(b) $4 \times 2 = 8$ toy cars.

(c) Each boy gets 4 toy cars.



Let Us Do

1. Complete the divisions using the number line.



2. Complete the divisions.

- (a) $04 \div 2 = \boxed{2}$ (b) $08 \div 4 = \boxed{2}$ (c) $12 \div 4 = \boxed{3}$
 (d) $06 \div 2 = \boxed{3}$ (e) $18 \div 3 = \boxed{6}$ (f) $15 \div 5 = \boxed{3}$
 (g) $12 \div 3 = \boxed{4}$ (h) $14 \div 2 = \boxed{7}$

Explore Your Understanding

1. There are 16 stamps to be put in 4 envelopes equally. How many stamps will each envelope have? **4**



2. Amit has 30 chocolates. If 1 box can carry 15 chocolates, how many boxes does Amit need to put all of the chocolates? **2**



3. 5 children share 20 lollipops equally. How many lollipops does each child get? **4**



4. 3 monkeys share 27 bananas equally. How many bananas does each monkey get? **9**



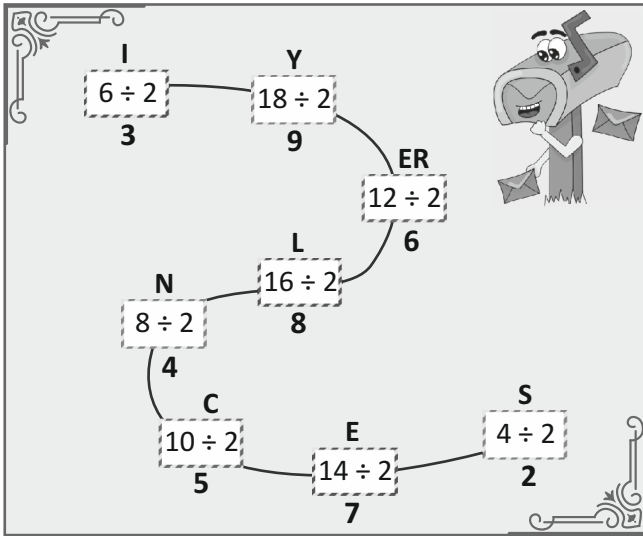
5. 50 books have to be kept in 5 bookshelves equally.
How many books will be there in each bookshelf?

10



Learn with Fun

- ❖ Solve the puzzle on these envelope. Now arrange the letters in ascending order of the number on the envelope.



What word do you get after arranging letters in ascending order?

SINCERELY



Chapter
11

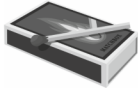
Measurement

Review Exercise

- A. Tick (✓) the bigger object.



B. Tick (✓) the heavier object.



C. Tick (✓) the longest object.



Warm-up Activity

Look at the things in Shivani's room and write the answer of the questions.



Tick (✓) the correct object.

- | | | | | |
|----------------------|------------|-------------------------------------|---------------|-------------------------------------|
| 1. Which is bigger? | table | <input checked="" type="checkbox"/> | chair | <input type="checkbox"/> |
| 2. Which is smaller? | wall clock | <input checked="" type="checkbox"/> | wall painting | <input type="checkbox"/> |
| 3. Which is taller? | table | <input type="checkbox"/> | almirah | <input checked="" type="checkbox"/> |
| 4. Which is heavier? | pen stand | <input type="checkbox"/> | table lamp | <input checked="" type="checkbox"/> |
| 5. Which is shorter? | chair | <input checked="" type="checkbox"/> | almirah | <input type="checkbox"/> |

Let Us Do

1. Look at the animals and answer the following questions.

(a) Which animal is taller than the monkey?

Deer and elephant.



(b) Which animal is the tallest? – **Elephant**

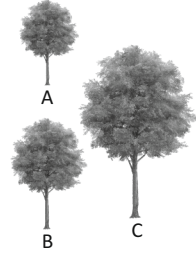
(c) Which animal is the shortest? – **Monkey**

2. Do Yourself

Let Us Do

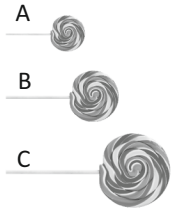
1. Give the correct answer.

- (a) Which tree is higher than B?
- (b) Which tree is shorter than B?
- (c) Which tree is the shortest?
- (d) Which tree is the highest?

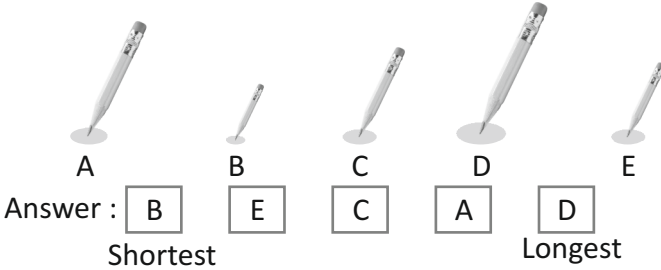


2. Look at the images carefully and answer.

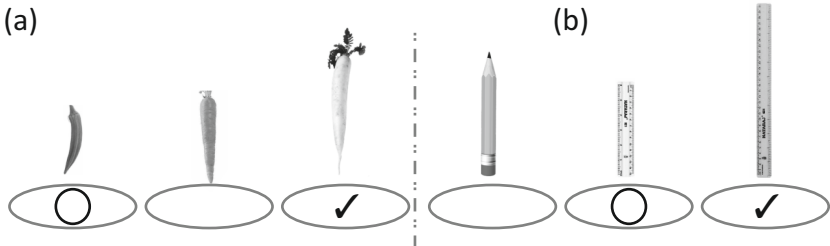
- (a) Which lollipop is the shortest?
- (b) Which lollipop is longer than B?
- (c) Which lollipop is longer than A and B?
- (d) Lollipop A is shorter than which one?



3. Arrange the following from the shortest to the longest.



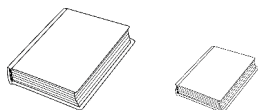
4. Mark (✓) the longest and circle the shortest in each group.



Let Us Do

Colour the thick object red and thin object green in each group.

(a)



Thick

Thin

(b)



Thin

Thick

Let Us Do

1. Circle the following.

(a) The animal farthest to the rat.



(b) The vehicle nearest to the tree.



2. Give the correct answer.



Pole 1



Pole 2



Pole 3



Pole 4

(a) Which pole is farthest to pole 1?

Pole 4

(b) Which pole is nearest to pole 4?

Pole 3

(c) Which pole is nearest to pole 1?

Pole 2

(d) Which pole is nearest to the boy?

Pole 1

(e) Which pole is farthest to the boy?

Pole 4

(f) Which pole is farthest to pole 2?

Pole 4

Let Us Do

❖ Do it yourself


Let Us Do

Look at the pictures and answer carefully.

(a)







This book is 5 erasers long.








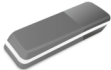
(b)  This table is **4** pencils long.

Let Us Do

1. Tick (✓) the lightest object and circle the heaviest object.





(a)	(b)	(c)	(d)
			
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

2. Tick (✓) the correct choice in each case.

(a) The lighter object.		<input checked="" type="checkbox"/>		<input type="checkbox"/>
(b) The heavier animal.		<input type="checkbox"/>		<input checked="" type="checkbox"/>
(c) The heavier object.		<input checked="" type="checkbox"/>		<input type="checkbox"/>
(d) The lighter object.		<input checked="" type="checkbox"/>		<input type="checkbox"/>

Let Us Do

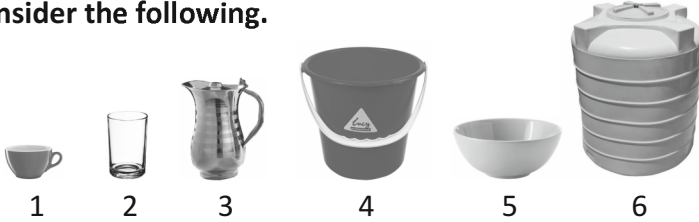
1. Look at the pictures and fill up the blanks.

(a)	(b)
	
<input type="text" value="3"/> cups fill up 1 glass	<input type="text" value="4"/> glasses fill up 1 jug
(c)	(d)
	
<input type="text" value="10"/> bottles fill up 1 bucket	<input type="text" value="3"/> glasses fill up 1 bowl

2. Tick (✓) the object which has more capacity in each group.



3. Consider the following.



(a) Arrange the above in the order of their increasing capacity, by putting their numbers in boxes.



(b) Which vessel has the greatest capacity?

(c) Which vessel has the least capacity?

Learn with Fun

A. Which body part will you use to measure the length of the following things?

Do it yourself

B. Tick (✓) the container which has more capacity.



Chapter

12

Time

Review Exercise

❖ Tick (✓) the activity that usually takes longer time.



2.



Let Us Do

Match the time of day to the correct picture :



Morning

Afternoon

Evening

Night

Let Us Do

1. Fill in the blanks with A.M. or P.M.

- (a) I wake up at 6 : 30 **A.M.**
- (b) Lunchtime in school begins at 1 : 00 **P.M.**
- (c) I go to play in the evening at 5 : 00 **P.M.**
- (d) I go to sleep in the night at 9 : 00 **P.M.**

2. Write the number of hours that pass between 4 : 00 P.M. and 8 : 00 P.M.

4 hours

3. Complete the following table.

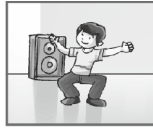
- (a) I eat dinner with my family at **8 : 30 P.M.**
- (b) I read a story book and go to sleep at night at **9 P.M.**
- (c) I come back home from school and take rest for some time at **3 : 30 P.M.**

Learn with Fun

A. Tick (✓) the activity that you do in the morning.



B. Tick (✓) the activity that you do in the night.



Chapter

13

Geometry

Review Exercise

Do yourself

Warm-up Activity





Do yourself

Let Us Do

1. Colour the square with red, rectangle with blue, circle with green and triangle with pink colour.

Do yourself

2. Match the same shapes with their names.

- | | | | | |
|-----|---|-------|-----------|-----|
| (a) |  | (i) | Triangle | (1) |
| (b) |  | (ii) | Square | (2) |
| (c) |  | (iii) | Circle | (3) |
| (d) |  | (iv) | Rectangle | (4) |



3. Colour the pictures according to the code.

Do yourself

Let Us Do

1. Name the shapes of the following solids.

(a)



Sphere

(b)



Cuboid

(c)



Cube

(d)



Cylindrical

(e)



Cone

(f)



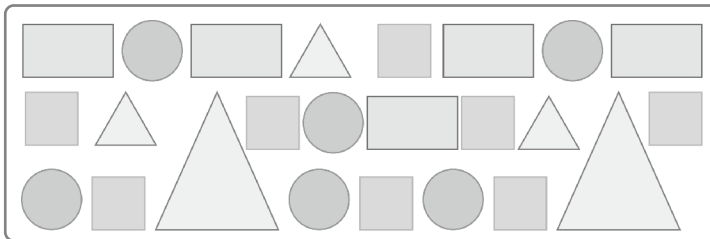
Sphere

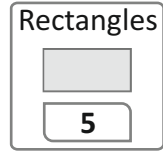
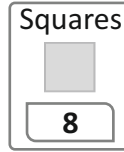
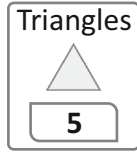
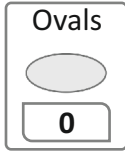
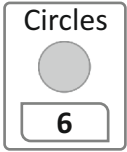
2. Give two examples of each of the following solids.

- | | |
|----------------|-------------------------------|
| (a) A cube | Dice, Ice Cube |
| (b) A sphere | Ball, Marble |
| (c) A cone | Christmas tree, Carrot |
| (d) A cuboid | Book, brick |
| (e) A cylinder | Pencil, pipe |








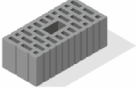

Learn with Fun

A. Count and write the number of circles, ovals, triangles, rectangles, squares and fill in the boxes given below.





B. Tick (✓) the object that matches with the solid shape shown in each row.

1.			<input type="checkbox"/>		<input checked="" type="checkbox"/>
2.			<input checked="" type="checkbox"/>		<input type="checkbox"/>
3.			<input type="checkbox"/>		<input checked="" type="checkbox"/>



Data Handling

Review Exercise

Here is a decorated Christmas tree.
Count and write how many of each item you see on the Christmas tree.






How many?	
BALLS	4
STARS	6
BOXES	2

Warm-up Activity



Look at the above picture carefully. Mention the number of each object against its name given below.

1. flowers  **7**
3. birds  **4**
5. boys  **2**

2. butterflies  **3**
4. girls  **3**
6. gardeners  **1**

Let Us Do

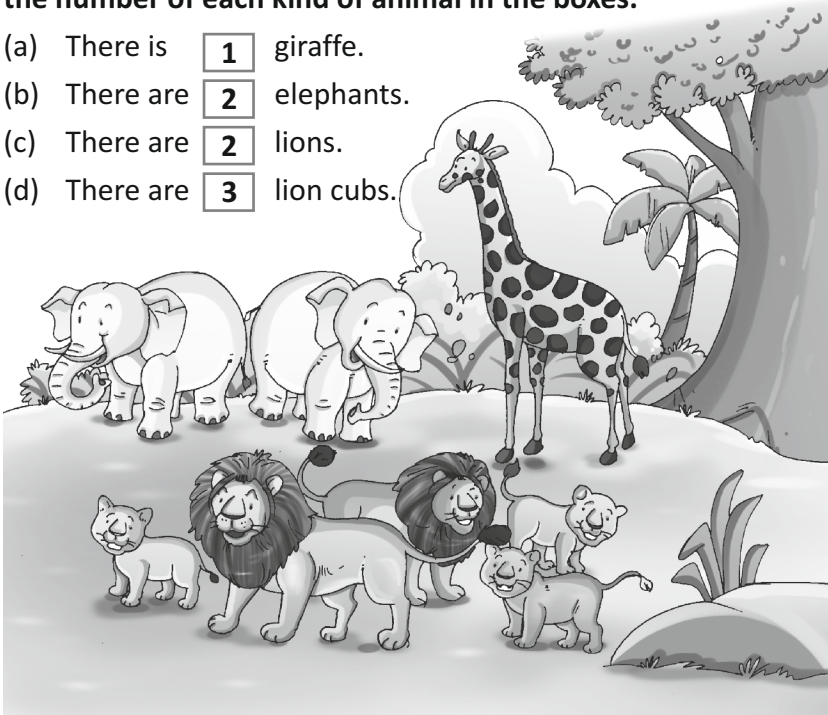
1. See the picture carefully and fill the boxes.



- (a) There are **6** apples.
- (b) There are **2** oranges.
- (c) There are **3** bananas.
- (d) There is **1** mango.

2. The following picture shows different kinds of animals. Write the number of each kind of animal in the boxes.

- (a) There is **1** giraffe.
- (b) There are **2** elephants.
- (c) There are **2** lions.
- (d) There are **3** lion cubs.









Learn with Fun

Do yourself

Review Exercise

A. If the pattern in each figure continues, write what comes next. Tick (✓) the correct option.

1.  (a)  (b) 
2.  (a)  (b) 

B. How many yellow raddishes should come next?



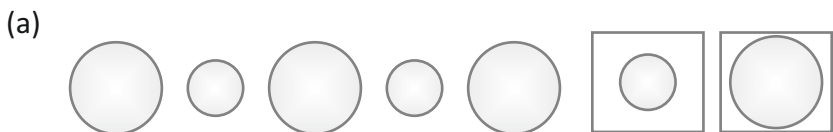
Warm-up Activity

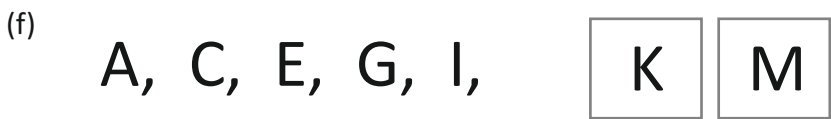
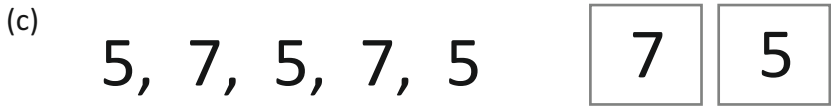
Match the socks with the same pattern. Circle them. Use a different colour crayon for each pair.



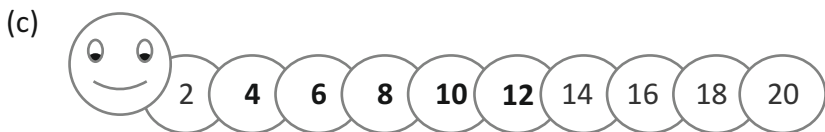
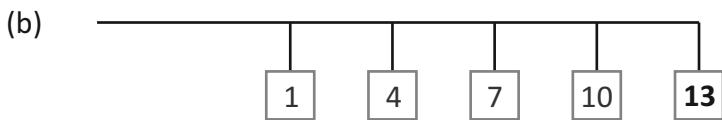
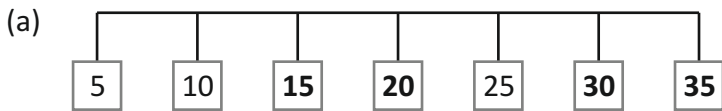
Let Us Do

1. What are the next two units of the following patterns?





2. Study the pattern of numbers given below and fill up the blanks.



3. Colour and complete the patterns.



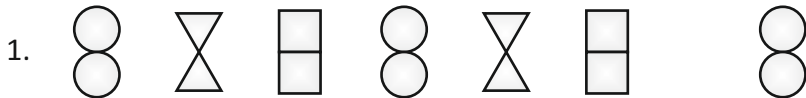


4. Complete the pattern and fill in the box.

(a)	1	2	3	4	5	6	7	8
(b)	2	3	4	5	6	7	8	9
(c)	4	6	8	10	12	14	16	18

Learn with Fun

Complete the following patterns.



3. 43, 46, 49, 52, 55, 58, 61, 64



Chapter

16

Money

Review Exercise

❖ Count the coins and find their values.

1.							₹ 29
2.							₹ 23
3.							₹ 23

Warm-up Activity

Look at this picture of Toy Shop carefully. Write the numbers on the price tags. Here different toys are placed with their price tags.



Teddy bear	₹ 65
Football	₹ 60
Toy train	₹ 99
Bat	₹ 95
Car	₹ 140
Doll	₹ 65

Let Us Do

1. Find the total value of coins.

(a)  = ₹ 6

(b)  = ₹ 10

(c)  = ₹ 20

2. Choose coins and currency notes to make the given amount. Tick the proper coins and currency notes.

(a) ₹ 70   

(b) ₹ 82    

(c) ₹ 31    

3. Write the price of the two items shown and calculate their total amount.

(a)



	₹	2	0
+	₹	5	0
	₹	7	0

(b)

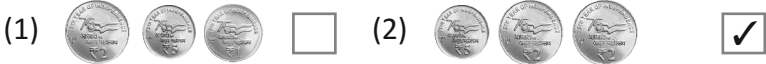


	₹	1	0
+	₹		5
	₹	1	5

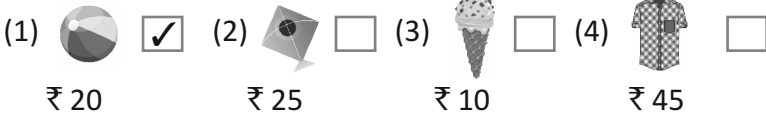
Learn with Fun

Tick (✓) the correct option.

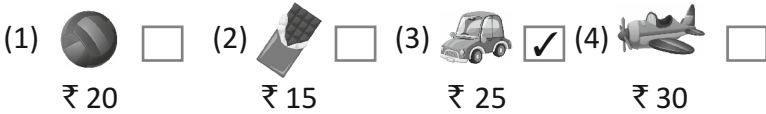
A. The correct combination of coins for ₹ 9 is :



B. Which of these can Neha buy with ₹ 20 ?



C. Which of these can Raju buy with ₹ 20 and ₹ 5?



Play with Numbers

1. Multiple Choice Questions. Choose the correct answer.

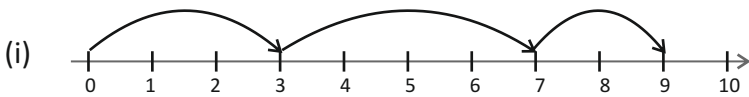
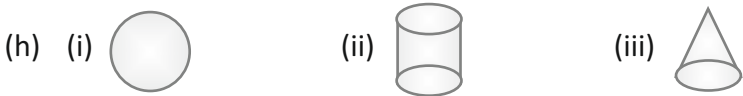
- (a) (ii) (b) (iii) (c) (iii) (d) (ii)
 (e) (iii) (f) (i) (g) (iv) (h) (iii)
 (i) (ii) (j) (i) (k) (ii) (l) (ii)

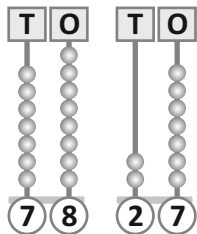
2. Fill in the blanks.

- (a) 25 (b) 83 (c) 50 (d) 59
 (e) Repeated (f) 20 (g) Repeated (h) 5
 (i) Sum (j) 45, 54 (k) 23, 24, 32, 34, 42, 43
 (l) 03, 09, 30, 39, 90, 93

3. Answer the following.

- (a) 11, 21, 22, 32, 45, 89, Largest No. - 89, Smallest No. - 11
 (b) 88, 83, 41, 31, 27, 8, Smallest No.- 8, Largest No. - 88
 (c) 5 balloons
 (d) 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63
 (e) 49, 48, 47, 46, 45, 44, 43, 42, 41, 40, 39, 38
 (f) (i) $68 = 60 + 8$ (ii) $79 = 70 + 9$
 (iii) $57 = 50 + 7$ (iv) $31 = 30 + 1$
 (v) $20 = 20 + 0$
 (g) (i) $50 + 6 = 56$ (ii) $20 + 9 = 29$
 (iii) $80 + 9$ (iv) $90 + 7 = 97$



(j)  (k)
$$\begin{array}{r} \boxed{1} \\ 35 \\ + 47 \\ \hline 82 \end{array}$$
 (l)
$$\begin{array}{r} \boxed{7} \ \boxed{12} \\ 82 \\ - 48 \\ \hline 34 \end{array}$$
 (m)
$$\begin{array}{r} \boxed{1} \\ 39 \\ \times 2 \\ \hline 78 \end{array}$$

(n) Do yourself

4. (a)
$$\begin{array}{r} 12 \\ \times 4 \\ \hline 48 \end{array}$$
 (b)
$$\begin{array}{r} 5 \\ \times 4 \\ \hline 20 \end{array}$$
 (c)
$$\begin{array}{r} \boxed{1} \\ 12 \\ + 9 \\ \hline 21 \end{array}$$
 (d)
$$\begin{array}{r} \boxed{1} \\ 48 \\ + 8 \\ \hline 56 \end{array}$$

(e) Do yourself

- (f) 1. January 2. February 3. March 4. April
 5. May 6. June 7. July 8. August
 9. September 10. October 11. November
 12. December, 29 days in a leap year.

Fun Activities

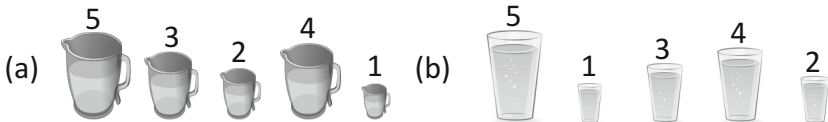
1. Starting from 4, circle all the numbers 4 more than it and colour the pattern.

1	2	3	④	5	6	7	⑧	9	10
11	⑫	13	14	15	⑯	17	18	19	⑳
21	22	23	⑳	25	26	27	㉘	29	30
31	㉒	33	34	35	㉖	37	38	39	㉙

2. Find the weights of six of your friends in the class, Tabulate your findings as follows.

Do yourself

3. Arrange the following in the ascending order of their capacities.



4. Look at the calendar you have at home/school and answer the following.

Do yourself

5. In the following figure, colour the rectangles red, squares green, circles brown and triangles blue.

Do yourself

Puzzles

- A. Solve the following :

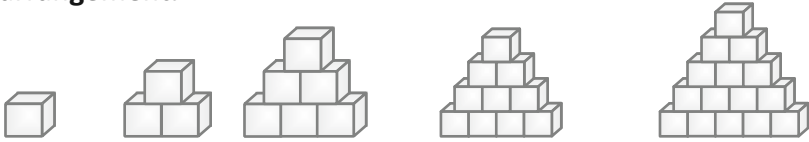
$$\text{Rocking horse} + \text{Rocking horse} = \boxed{6}$$

$$\text{Rocking horse} + \text{Sunflower} = \boxed{7}$$

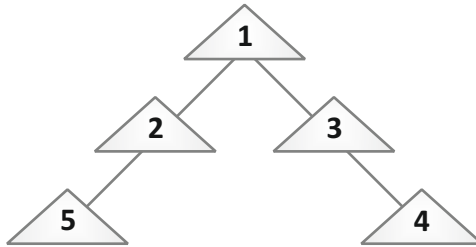
$$\text{Sunflower} + \text{Doll} = \boxed{9}$$

$$\text{Rocking horse} + \text{Doll} = \boxed{8}$$

B. This is how Anu set the boxes. Help her in extending the arrangement.



C. Fill in the number from 1 to 5 in the given triangles. So that the sum on both sides is equal.



D. Draw as many rectangles as you can using the dots on the grid below.

Do yourself

E. Solve

	+		+		=	50
	+		+		=	120
			+		=	35
					=	25

F. Solve

	+		=	6				
	+		=	6				
	+		=	10				
	+		+		+		=	16

G. Solve

$$\begin{array}{rclclcl}
 \text{Tree} & & + & \text{Tree} & = & \boxed{6} \\
 \text{Tree} & & + & \text{Flower} & = & \boxed{8} \\
 \text{Tree} & & - & \text{Leaf} & = & \boxed{2} \\
 \text{Tree} & + & \text{Flower} & + & \text{Tree} & \times & \text{Leaf} & = & \boxed{11}
 \end{array}$$

H. Solve

$$\begin{array}{c} \text{2 dots} \end{array} + \begin{array}{c} \text{4 dots} \end{array} + \begin{array}{c} \text{6 dots} \end{array} = \begin{array}{c} \boxed{15}$$

I. Who am I? (Take help from a mirror)

∩∩	<input type="text" value="77"/>	ΣΣ	<input type="text" value="22"/>
∂∂	<input type="text" value="66"/>	††	<input type="text" value="14"/>
εε	<input type="text" value="39"/>	ε∩	<input type="text" value="73"/>

J. Fill ○, △ and ☆ in the boxes in such a way that any shape occurs only once in a row (horizontal) and column (standing).

○	☆	△
☆	△	○
△	○	☆

↑
column

K. Find the numbers from 1 to 20.

A	12T	B	C	6S	E	V	E	N	W	X	Z	14F	A
16S	W	T	3P	I	Q	R	S	20T	W	O	8K	O	19N
I	E	H	D	X	O	M	N	W	T	L	E	U	I
X	L	R	15F	I	F	T	E	E	N	M	I	R	N
T	V	E	11E	L	E	V	E	N	K	L	G	T	E
E	E	E	4F	5O	U	R	A	10T	E	9N	H	E	T
E	T	V	I	N	C	U	W	Y	M	I	T	E	E
N	A	C	V	13E	Z	Y	T	R	O	N	O	N	E
O	X	W	E	T	H	I	R	T	E	E	N	A	N
N	17S	E	V	E	N	T	E	E	N	J	K	L	M
O	18E	I	G	H	T	E	E	N	10	N	E	T	W



Let Us Do

1. Write the figures.

- | | | | |
|-------------------|---------------------------------|---------------|---------------------------------|
| (a) Seventy seven | <input type="text" value="77"/> | (b) Three | <input type="text" value="3"/> |
| (c) Zero | <input type="text" value="0"/> | (d) Twenty | <input type="text" value="20"/> |
| (e) Thirty eight | <input type="text" value="38"/> | (f) Nineteen | <input type="text" value="19"/> |
| (g) Ninety nine | <input type="text" value="99"/> | (h) Sixty one | <input type="text" value="61"/> |

2. Write in Words.

- | | |
|------------------------------|------------------------------|
| (a) 37 – Thirty seven | (b) 62 – Sixty two |
| (c) 76 – Seventy six | (d) 63 – Sixty three |
| (e) 75 – Seventy five | (f) 98 – Ninety eight |

3. Write the expanded form.

- | | |
|--------|-------------------------------------|
| (a) 47 | <input type="text" value="40 + 7"/> |
| (b) 98 | <input type="text" value="90 + 8"/> |
| (c) 45 | <input type="text" value="40 + 5"/> |
| (d) 62 | <input type="text" value="60 + 2"/> |
| (e) 33 | <input type="text" value="30 + 3"/> |

4. Write in compact form.

- | | |
|-----------------|---------------------------------|
| (a) $90 + 5 =$ | <input type="text" value="95"/> |
| (b) $80 + 3 =$ | <input type="text" value="83"/> |
| (c) $30 + 10 =$ | <input type="text" value="40"/> |
| (d) $50 + 4 =$ | <input type="text" value="54"/> |
| (e) $70 + 2 =$ | <input type="text" value="72"/> |

5. Fill in the blanks.

- (a) The number before 41 is .
- (b) The number after 58 is .
- (c) The number before is 47.
- (d) The number before is 16.
- (e) 27 is in between and 28.
- (f) 98 is in between 97 and .

6. Tick (✓) the greatest number and cross (X) the smallest number in each group :

- (a) 312 682 379 485 789
 (b) 132 128 699 235 628
 (c) 519 987 632 187 927
 (d) 621 126 162 782 312

7. Arrange the following numbers in ascending order. One has been done for you.

- (a) 216 825 916 325 496 216 325 496 825 916
 (b) 382 928 286 135 405 135 286 382 405 928
 (c) 849 840 896 825 986 825 840 849 896 986

8. Arrange the following numbers in descending order.

- (a) 487 968 629 405 720 968 720 629 487 405
 (b) 215 316 480 680 209 680 480 316 215 209
 (c) 712 628 782 639 750 782 750 712 639 628

9. Miscellaneous questions.

- 71 is greater than **70** but less than **72**.
- 84 is less than **85** but greater than **83**.
- Write in words.

(a) 99 : **Ninety nine**

(b) 43 : **Forty three**

10. Put the sign '>' or '<' or '='.




- (a) 155 276 (b) 405 628 (c) 788 769
 (d) 987 987 (e) 730 577 (f) 625 689
 (g) 371 829 (h) 538 538 (i) 312 821
 (j) 638 638 (k) 265 369 (l) 912 764


11. Fill in the blanks.




- (a) **90** comes between 89 and 91.
 (b) **44** comes before 45. (c) 69 comes before **70**.
 (d) **58** comes after 57. (e) 39 comes after **38**.
 (f) 26 comes between **25** and **27**.


12. Draw the given shapes in different positions as instructed.



(a) 5th position:  6th position:  9th position: 



(b) 3rd position:  7th position:  10th position: 



13. Match the picture using the correct ordinal numbers. Write the ordinal number name in the blank boxes given.



Second Sixth Fifth First Fourth Third

14. Add each set of numbers and colour the bird with the matching answer. One has been done for you.

$$\begin{array}{r} 3 \\ 2 \\ + 5 \\ \hline 10 \end{array}$$

Green

$$\begin{array}{r} 4 \\ 1 \\ + 3 \\ \hline 8 \end{array}$$

Blue

$$\begin{array}{r} 5 \\ 5 \\ + 2 \\ \hline 12 \end{array}$$

Red



$$\begin{array}{r} 6 \\ 1 \\ + 0 \\ \hline 7 \end{array}$$

Yellow

$$\begin{array}{r} 3 \\ 4 \\ + 4 \\ \hline 11 \end{array}$$

Orange

$$\begin{array}{r} 5 \\ 7 \\ + 1 \\ \hline 13 \end{array}$$

Purple



$$\begin{array}{r} 4 \\ 3 \\ + 2 \\ \hline 9 \end{array}$$

Pink

$$\begin{array}{r} 3 \\ 2 \\ + 1 \\ \hline 6 \end{array}$$

Brown

$$\begin{array}{r} 6 \\ 5 \\ + 3 \\ \hline 14 \end{array}$$

Black



Numbers

Review Exercise

Complete the following by filling in the missing numbers.

101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130
131	132	133	134	135	136	137	138	139	140
141	142	143	144	145	146	147	148	149	150
151	152	153	154	155	156	157	158	159	160
161	162	163	164	165	166	167	168	169	170
171	172	173	174	175	176	177	178	179	180
181	182	183	184	185	186	187	188	189	190
191	192	193	194	195	196	197	198	199	200

Warm-up Activity

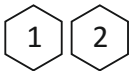
❖ Fibonacci Numbers

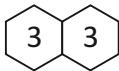
About 800 years ago, Italian mathematician Leonardo Fibonacci discovered a way to describe numbers in a pattern known today as Fibonacci Numbers.

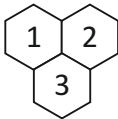
To create Fibonacci series of numbers, each number (except for the 1) is added to the number to its left. The sum becomes the next number in the series.

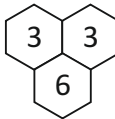
For example : $1 + 1 = 2$, $1 + 2 = 3$, $2 + 3 = 5$
and so on.

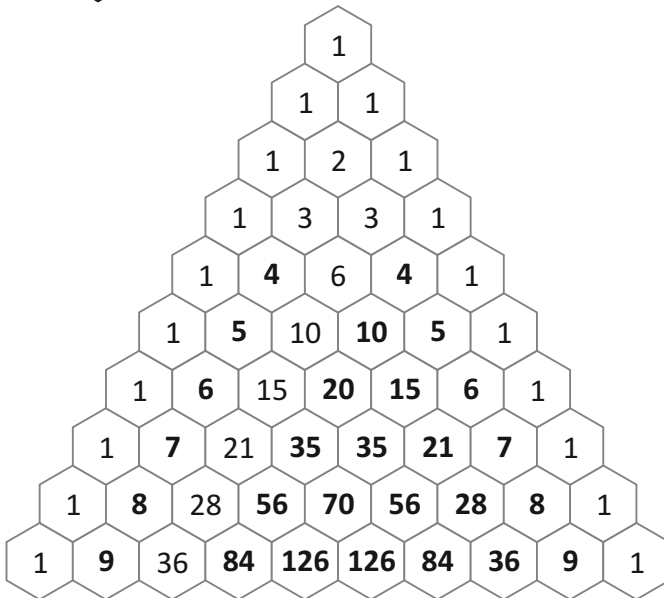
Now complete the Pascal's triangle based on Fibonacci Numbers.

Hint : 
= $1 + 2 = 3$

Hint : 
= $3 + 3 = 6$

So, 

So, 



Let Us Do

1. Write the names of the following numbers.

- (a) 342 Three hundred forty two
 (b) 590 Five hundred ninety
 (c) 432 Four hundred thirty two
 (d) 168 One hundred sixty eight
 (e) 962 Nine hundred sixty two

2. Write the following in figures.

- (a) Three hundred thirty eight
 (b) One hundred forty seven
 (c) Seven hundred sixty six
 (d) Three hundred seventy four
 (e) Four hundred ninety nine

H	T	O
3	3	8
1	4	7
7	6	6
3	7	4
4	9	9

3. Write the missing numbers as directed in the brackets.

- (a) Count in twos.

541	543	545	547	549	551	553	555	557	559
-----	------------	-----	------------	------------	-----	------------	------------	------------	-----

- (b) Count in reverse.

660	659	658	657	656	655	654	653	652	651
-----	------------	------------	------------	------------	-----	------------	------------	-----	------------

- (c) Count in tens.

770	780	790	800	810	820	830	840	850	860
-----	------------	------------	-----	------------	------------	------------	------------	-----	------------

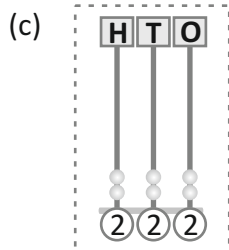
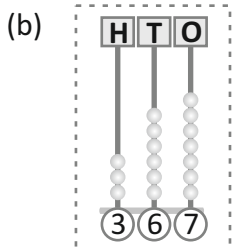
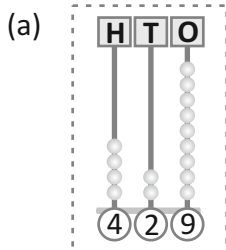
- (d) Count in fives.

875	880	885	890	895	900	905	910	915	920
-----	------------	------------	-----	------------	------------	------------	-----	------------	------------

- (e) Count in reverse in tens.

990	980	970	960	950	940	930	920	910	900
-----	------------	------------	------------	-----	------------	------------	------------	------------	-----

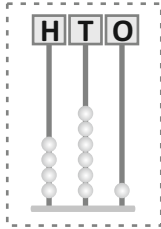
4. Write the numbers shown on the abacus.



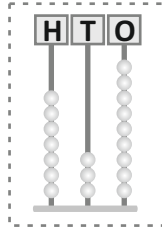
65

5. Represent the given numbers on an abacus.

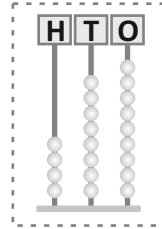
(a) 461



(b) 739



(c) 489



Let Us Do

1. Write the number that comes before or after the given numbers.

(a) **95** 96

(b) **86** 87

(c) **81** 82

(d) **67** 68

(e) **77** 78

(f) **87** 88

(g) 89 **90**

(h) 67 **68**

(i) 91 **92**

(j) 65 **66**

(k) 86 **87**

(l) 98 **99**

2. Write the number which comes between the two given numbers.

(a) 523 **524** 525

(b) 911 **912** 913

(c) 649 **650** 651

(d) 586 **587** 588

(e) 238 **239** 240

(f) 761 **762** 763

(g) 489 **490** 491

(h) 835 **836** 837

3. Fill in the blanks.

(a) **301** comes between 300 and 302.

(b) **445** comes between 444 and 446.

(c) **600** comes after 599.

(d) **899** comes before 900.

(e) **199** comes after 198.

(f) **278** comes before 279.

(g) **764** comes before 765.

(h) **895** comes after 894.

(i) 397 comes between **396** and **398**.

(j) 998 comes between **997** and 999.

Let Us Do

❖ Put the correct sign > (greater than), < (less than) and = (equal to).

- (a) 100 < 121 (b) 555 < 558
(c) 580 > 579 (d) 980 = 980
(e) 900 = 900 (f) 763 > 760
(g) 236 > 49 (h) 809 = 809
(i) 459 < 464 (j) 674 < 690

Let Us Do

1. Write in ascending order.

- (a) 698, 236, 125, 447 **125, 236, 447, 698**
(b) 237, 872, 143, 662 **143, 237, 662, 872**
(c) 334, 122, 568, 22 **22, 122, 334, 568**

2. Write in descending order. One has been done for you.

- (a)

136	816	912	832	456	912	832	816	456	136
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

(b)

982	317	456	968	318	982	968	456	318	317
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

(c)

199	418	319	546	612	612	546	418	319	199
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

3. Circle the greatest number.

- (a) 547 **643** 447 400 (b) 453 462 **475** 443
(c) **639** 634 637 600 (d) 951 552 **955** 900

4. Circle the smallest number.

- (a) 248 **163** 377 401 (b) 657 648 **632** 640
(c) 552 551 556 **550** (d) 451 459 **450** 460

Let Us Do

Write the place value of the circled digit in each of the following.

- (a) 2 **7** 8 7 tens = $7 \times 10 = 70$
(b) 3 4 **7** 7 ones = $7 \times 1 = 7$
(c) **8** 7 1 8 hundreds = $8 \times 100 = 800$

$(d) 9\textcircled{0}4$

$0 \text{ tens} = 0 \times 10 = 0$

$(e) \textcircled{2}16$

$2 \text{ hundreds} = 2 \times 100 = 200$

Let Us Do

1. Write the face value of the circled digits in the following cases.

$(a) 2\textcircled{5}3$

5

$(b) 9\textcircled{1}5$

1

$(c) 65\textcircled{0}$

0

$(d) 62\textcircled{3}$

3

$(e) 8\textcircled{7}3$

7

$(f) \textcircled{1}12$

1

$(g) \textcircled{6}19$

6

$(h) 1\textcircled{0}9$

0

2. Complete the following table with respect to the circled digits.

	Number	Face Value	Place Value
(a)	6 $\textcircled{9}$ 7	9	90
(b)	30 $\textcircled{3}$	3	3
(c)	7 $\textcircled{0}$ 0	0	0
(d)	$\textcircled{6}$ 16	6	600
(e)	4 $\textcircled{7}$ 9	7	70

Let Us Do

❖ Write the expanded form of the following.

$(a) 204 = 200 + 0 + 4$

$(b) 310 = 300 + 10 + 0$

$(c) 452 = 400 + 50 + 2$

$(d) 682 = 600 + 80 + 2$

$(e) 925 = 900 + 20 + 5$

$(f) 516 = 500 + 10 + 6$

$(g) 144 = 100 + 40 + 4$

$(h) 509 = 500 + 0 + 9$

Let Us Do

1. Write the numbers in the compact form.

$(a) 500 + 8$

508

$(b) 700 + 40$

740

$(c) 400 + 50 + 7$

457

$(d) 300 + 50 + 1$

351

$(e) 600 + 7$

607

$(f) 100 + 20 + 4$

124

$(g) 900 + 80 + 6$

986

$(h) 800 + 90 + 5$

895

$(i) 800 + 60 + 2$

862

$(j) 500 + 1$

501

2. Write the following in the standard form.

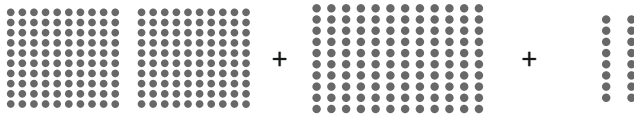
- (a) 8 hundreds + 7 tens + 3 ones = **873**
 (b) 7 hundreds + 8 tens + 9 ones = **789**
 (c) 2 hundreds + 5 tens + 7 ones = **257**
 (d) 4 hundreds + 6 tens + 3 ones = **463**
 (e) 5 hundreds + 0 tens + 6 ones = **506**

3. Write the expanded form of the following numbers.

- (a) 129 = **1** hundred **2** tens **9** ones
 (b) 97 = **0** hundreds **9** tens **7** ones
 (c) 685 = **6** hundreds **8** tens **5** ones
 (d) 625 = **6** hundreds **2** tens **5** ones
 (e) 901 = **9** hundreds **0** tens **1** one
 (f) 391 = **3** hundreds **9** tens **1** one

Learn with Fun

1. Write the number represented below.



2 Hundreds + **12** Tens + **16** Ones = **336**

2. Write the numbers and number names. One has been done for you.

If ▲ represents hundred, ■ represents tens ● represents one

(a) **432**
 (b) **344**
 (c) **623**
 (d) **237**

3. Three hundred twenty one = 321

4. 340 – 10 = 330

5. 811, 812, 819, 821, 919

Review Exercise

1. Match the following.

Column 'A'	Column 'B'
(a) $48 + 10 + 37$	(i) $50 + 30$
(b) 17	(ii) $7 + 8 + 2$
(c) Thirty	(iii) Ninety-five
(d) 8 tens	(iv) $1 + 29$

2. Alica scored 30 marks, Mithali scored 35 marks and Reena scored 29 marks in a Mathematics test. What is the total marks scored by all of them?

$$30 + 35 + 29 = 94$$

Warm-up Activity

Now, find the total when :

- (a) you add together the numbers in the corners : 86
- (b) you add together the red numbers : 86
- (c) you add together the four numbers in centre : 86
- (d) you add together the four numbers in circles : 86

5	6	7	8
15	16	17	18
25	26	27	28
35	36	37	38

Let Us Do

1. By actual calculation, prove that the sum of the following remain same after reversing the order.

- | | |
|---------------------|---------------------|
| (a) $32 + 45 = 77$ | (b) $95 + 21 = 116$ |
| $45 + 32 = 77$ | $21 + 95 = 116$ |
| (c) $125 + 3 = 128$ | (d) $29 + 39 = 68$ |
| $3 + 125 = 128$ | (d) $39 + 29 = 68$ |

2. Add the following.

(a) $83 + 0 = 83$

(b) $94 + 0 = 94$

(c) $21 + 0 = 21$

(d) $45 + 0 = 45$

3. Find the successors of the following.

(a) $25 + 1 = 26$

(b) $39 + 1 = 40$

(c) $123 + 1 = 124$

(d) $145 + 1 = 146$

4. Fill in the blanks.

(a) $65 + 0 = 65$

(b) $89 + 2 = 91$

(c) $25 + 5 = 30$

(d) $7 + 0 = 7$

Let Us Do

Add the following :

(a)

	T	O
	4	1
+	2	6
	6	7

(b)

	T	O
	4	4
+	3	4
	7	8

(c)

	T	O
	2	6
+	3	3
	5	9

(d)

	T	O
	7	2
+	1	3
	8	5

(e)

	T	O
	3	0
+	6	5
	9	5

(f)

	T	O
	8	2
+	1	7
	9	9

(g)

	T	O
	1	2
+	3	6
	4	8

(h)

	T	O
	4	6
+	2	1
	6	7

Let Us Do

Add the following by regrouping.

(a)

	T	O
	1	
	4	3
	1	4
+	2	3
	8	0

(b)

	T	O
	1	
	2	3
	3	5
+	3	6
	9	4

(c)

	T	O
	1	
	1	4
	4	5
+	2	7
	8	6

(d)

	T	O
	1	
	2	2
	5	5
+	1	4
	9	1

(e)

	T	O
	1	
	3	8
	1	4
+	2	2
	7	4

(f)

	T	O
	1	
	7	6
+	1	5
	9	1

(g)

	T	O
	1	
	4	7
+	4	5
	9	2

(h)

	T	O
	1	
	3	5
+	4	6
	8	1

(i)

	T	O
	1	
	7	5
+	1	5
	9	0

(j)

	T	O
	1	
	7	5
+	1	6
	9	1

(k)
$$\begin{array}{r} \text{T O} \\ \square 1 \square \\ 5 \ 7 \\ + 1 \ 3 \\ \hline 7 \ 0 \end{array}$$

(l)
$$\begin{array}{r} \text{T O} \\ \square 1 \square \\ 3 \ 9 \\ + 2 \ 7 \\ \hline 6 \ 6 \end{array}$$

(m)
$$\begin{array}{r} \text{T O} \\ \square 1 \square \\ 5 \ 8 \\ + 1 \ 8 \\ \hline 7 \ 6 \end{array}$$

(n)
$$\begin{array}{r} \text{T O} \\ \square 1 \square \\ 5 \ 5 \\ + 0 \ 7 \\ \hline 6 \ 2 \end{array}$$

(o)
$$\begin{array}{r} \text{T O} \\ \square 1 \square \\ 1 \ 9 \\ + 1 \ 7 \\ \hline 3 \ 6 \end{array}$$

Let Us Do

Add the following by regrouping.

(a)
$$\begin{array}{r} \text{H T O} \\ \square 1 \square \\ \square \ 3 \ 8 \\ + \square \ 5 \ 3 \\ \hline 9 \ 1 \end{array}$$

(b)
$$\begin{array}{r} \text{H T O} \\ \square 1 \square \\ \square \ 6 \ 7 \\ + \square \ 4 \ 4 \\ \hline 1 \ 1 \ 1 \end{array}$$

(c)
$$\begin{array}{r} \text{H T O} \\ \square 1 \square \\ \square \ 5 \ 8 \\ + \square \ 2 \ 6 \\ \hline 8 \ 4 \end{array}$$

(d)
$$\begin{array}{r} \text{H T O} \\ \square 1 \square \\ \square \ 4 \ 6 \\ + \square \ 3 \ 7 \\ \hline 8 \ 3 \end{array}$$

(e)
$$\begin{array}{r} \text{H T O} \\ \square 1 \square \\ \square \ 6 \ 6 \\ + \square \ 3 \ 5 \\ \hline 1 \ 0 \ 1 \end{array}$$

(f)
$$\begin{array}{r} \text{H T O} \\ \square 1 \square \\ \square \ 8 \ 2 \\ + \square \ 1 \ 9 \\ \hline 1 \ 0 \ 1 \end{array}$$

(g)
$$\begin{array}{r} \text{H T O} \\ \square 1 \square \\ \square \ 7 \ 7 \\ + \square \ 2 \ 6 \\ \hline 1 \ 0 \ 3 \end{array}$$

(h)
$$\begin{array}{r} \text{H T O} \\ \square 1 \square \\ \square \ 6 \ 8 \\ + \square \ 3 \ 7 \\ \hline 1 \ 0 \ 5 \end{array}$$

(i)
$$\begin{array}{r} \text{H T O} \\ \square 1 \square \\ \square \ 8 \ 9 \\ + \square \ 1 \ 5 \\ \hline 1 \ 0 \ 4 \end{array}$$

(j)
$$\begin{array}{r} \text{H T O} \\ \square 1 \square \\ \square \ 4 \ 9 \\ + \square \ 3 \ 6 \\ \hline 8 \ 5 \end{array}$$

(k)
$$\begin{array}{r} \text{H T O} \\ \square 1 \square \\ \square \ 2 \ 7 \\ + \square \ 7 \ 6 \\ \hline 1 \ 0 \ 3 \end{array}$$

(l)
$$\begin{array}{r} \text{H T O} \\ \square 1 \square \\ \square \ 8 \ 5 \\ + \square \ 2 \ 5 \\ \hline 1 \ 1 \ 0 \end{array}$$

(m)
$$\begin{array}{r} \text{H T O} \\ \square 1 \square \\ \square \ 3 \ 8 \\ + \square \ 2 \ 3 \\ \hline 6 \ 1 \end{array}$$

(n)
$$\begin{array}{r} \text{H T O} \\ \square 1 \square \\ \square \ 2 \ 7 \\ + \square \ 3 \ 5 \\ \hline 6 \ 2 \end{array}$$

(o)
$$\begin{array}{r} \text{H T O} \\ \square 1 \square \\ \square \ 4 \ 8 \\ + \square \ 6 \ 5 \\ \hline 1 \ 1 \ 3 \end{array}$$

Let Us Do

Add the following :

(a)
$$\begin{array}{r} \text{H T O} \\ \square \ 1 \square \\ 4 \ 5 \ 6 \\ + \square \ 1 \ 4 \\ \hline 4 \ 7 \ 0 \end{array}$$

(b)
$$\begin{array}{r} \text{H T O} \\ \square \ 1 \square \\ 3 \ 6 \ 9 \\ + \square \ 2 \ 3 \\ \hline 3 \ 9 \ 1 \end{array}$$

(c)
$$\begin{array}{r} \text{H T O} \\ \square \ 1 \square \\ 4 \ 6 \ 6 \\ + \square \ 1 \ 6 \\ \hline 4 \ 8 \ 2 \end{array}$$

(d)
$$\begin{array}{r} \text{H T O} \\ \square \ 1 \square \\ 2 \ 7 \ 8 \\ + \square \ 1 \ 4 \\ \hline 2 \ 9 \ 2 \end{array}$$

(e)
$$\begin{array}{r} \text{H T O} \\ \square 1 \square \\ 2 \ 6 \ 8 \\ + \square \ 4 \ 3 \\ \hline 3 \ 1 \ 1 \end{array}$$

(f)
$$\begin{array}{r} \text{H T O} \\ \square 1 \square \\ 4 \ 4 \ 4 \\ + \square \ 9 \ 8 \\ \hline 5 \ 4 \ 2 \end{array}$$

(g)
$$\begin{array}{r} \text{H T O} \\ \square 1 \square \\ 3 \ 9 \ 7 \\ + \square \ 5 \ 5 \\ \hline 4 \ 5 \ 2 \end{array}$$

(h)
$$\begin{array}{r} \text{H T O} \\ \square 1 \square \\ 3 \ 0 \ 5 \\ + \square \ 9 \ 6 \\ \hline 4 \ 0 \ 1 \end{array}$$

Let Us Do

Add the following :

(a)

H	T	O
4	2	1
+ 1	2	7
5	4	8

(b)

H	T	O
1	4	3
+ 1	5	3
2	9	6

(c)

H	T	O
5	6	0
+ 2	1	2
7	7	2

(d)

H	T	O
2	1	3
+ 4	2	1
6	3	4

(e)

H	T	O
3	0	3
+ 2	2	1
5	2	4

(f)

H	T	O
4	2	3
+ 2	0	0
6	2	3

(g)

H	T	O
7	2	1
+ 2	7	6
9	9	7

(h)

H	T	O
5	4	0
+ 4	0	7
9	4	7

(i)

H	T	O
1	1	
5	9	4
+ 1	9	7
7	9	1

(j)

H	T	O
1	1	
7	5	9
+ 1	7	9
9	3	8

(k)

H	T	O
1	1	
5	9	5
+ 2	9	8
8	9	3

(l)

H	T	O
1	1	
6	5	2
+ 2	5	9
9	1	1

Let Us Do

Add the following :

(a)

H	T	O
2	1	1
1	3	4
+ 1	3	0
4	7	5

(b)

H	T	O
4	3	6
1	3	0
+ 1	1	1
6	7	7

(c)

H	T	O
1	5	5
1	2	1
+ 2	1	0
4	8	6

(d)

H	T	O
2	1	0
1	0	5
+ 2	1	2
5	2	7

(e)

H	T	O
2	2	
4	6	9
1	9	9
+ 2	9	9
9	6	7

(f)

H	T	O
	1	
1	6	0
0	0	9
+ 1	1	2
2	8	1

(g)

H	T	O
1	1	
5	8	0
1	2	3
+ 2	1	9
9	2	2

(h)

H	T	O
1		
1	2	0
6	9	0
+ 1	2	7
9	3	7

Let Us Do

1. Number of girls = 27
 Number of boys = 35
 Total number of students in class = 62

	T	O
	1	
	2	7
+	3	5
	6	2

2. Marks in Hindi written exam = 75
 Marks in Hindi Oral exam = 19
 Total marks in Hindi = 94

	T	O
	1	
	7	5
+	1	9
	9	4

3. Number of people in one train = 350
 Number of people in another train = 756
 Total number of people in the both train = 1106

	H	T	O
	1	1	
	3	5	0
+	7	5	6
	1	1	6

4. Number of men = 569
 Number of women = 356
 Total Number of people at the meting = 925

	H	T	O
	1	1	
	5	6	9
+	3	5	6
	9	2	5

5. Black Pens = 184
 Red Pens = 232
 Blue Pens = 325
 Total pens in the Shop = 741

	H	T	O
	1	1	
	1	8	4
	2	3	2
+	3	2	5
	7	4	1

6. First inning runs = 256
 Second inning runs = 379
 Total Runs = 635

	H	T	O
	1	1	
	2	5	6
+	3	7	9
	6	3	5

7. Mango trees = 169
 Guava trees = 243
 Jamun trees = 56
 Total trees = 468

	H	T	O
	1	1	
	1	6	9
	2	4	3
+	5	6	
	4	6	8

8. Primary Schools = 574
 Secondary Schools = 178
 Senior Secondary Schools = 367
 Total Schools = 1119

	H	T	O
	1	1	
	5	7	4
	1	7	8
+	3	6	7
	1	1	1
			9

Learn with Fun

1. Add the following.

(a)

	T	O
	1	
	2	7
	3	9
+	1	1
	7	7

(b)

	T	O
	1	
	1	8
	4	7
+	2	3
	8	8

(c)

	T	O
	1	
	2	8
	2	5
+	3	2
	8	5

(d)

	T	O
	1	
	3	4
	1	7
+	3	7
	8	8

(e)

	T	O
	1	
	3	2
	1	7
+	2	9
	7	8

2. Arrange in columns and add. One has been done for you.

- (a) 15, 27
and 36

	T	O
	1	
	1	5
	2	7
+	3	6
	7	8

- (b) 17, 25
and 54

	T	O
	1	
	1	7
	2	5
+	5	4
	9	6

- (c) 28, 35
and 16

	T	O
	1	
	2	8
	3	5
+	1	6
	7	9

- (d) 25, 42
and 19

	T	O
	1	
	2	5
	4	2
+	1	9
	8	6



Subtraction

Review Exercise

1. Copy and subtract :

(a)

	H	T	O
	5	7	4
-	3	3	2
	2	4	2

(b)

	H	T	O
	5	8	7
-	2	6	3
	3	2	4

(c)

	H	T	O
	9	4	8
-	3	1	6
	6	3	2

(d)

	H	T	O
	6	7	5
-	3	5	2
	3	2	3

2. Answer these questions :

(a)

	H	T	O
	3	7	5
-	1	3	4
	2	4	1

(b)

	H	T	O
	4	8	5
-	1	4	2
	3	4	3

(c)

	H	T	O
	1	2	5
-	1	1	2
	0	1	3

Warm-up Activity

Solve these simple addition and subtraction problems to reach the pot of gold.



76	98	45	96	84	74
+21	+31	+45	+15	+74	+50
97	129	90	111	158	124

34	66	29	22	71	16
-11	-34	-15	-12	-17	-9
23	32	14	10	54	7

60	55	48	35	84	21
+61	-24	+24	-15	+47	-10
121	31	72	20	131	11



Let Us Do

Fill in the boxes.

(a) $12 - 0 = \boxed{12}$ (b) $10 - 0 = \boxed{10}$ (c) $25 - 25 = \boxed{0}$
 (d) $5 - 1 = \boxed{4}$ (e) $13 - 0 = \boxed{13}$ (f) $3 - 1 = \boxed{2}$
 (g) $9 - 0 = \boxed{9}$ (h) $12 - 12 = \boxed{0}$ (i) $17 - 17 = \boxed{0}$

Let Us Do

Subtract the following :

(a)

	T	O
	5	0
-	4	0
	1	0

(b)

	T	O
	5	3
-	2	3
	3	0

(c)

	T	O
	4	6
-	2	1
	2	5

(d)

	T	O
	4	5
-	1	2
	3	3

(e)

	T	O
	8	3
-	7	0
	1	3

(f)

	T	O
	3	6
-	1	5
	2	1

(g)

	T	O
	4	8
-	2	2
	2	6

(h)

	T	O
	7	8
-	2	8
	5	0

Let Us Do

Subtract the following :

- | | | | | | | | |
|-----|--|-----|--|-----|--|-----|---|
| (a) | $\begin{array}{r} \text{H T O} \\ 647 \\ - \quad 25 \\ \hline 622 \end{array}$ | (b) | $\begin{array}{r} \text{H T O} \\ 346 \\ - \quad 22 \\ \hline 324 \end{array}$ | (c) | $\begin{array}{r} \text{H T O} \\ 841 \\ - \quad 41 \\ \hline 800 \end{array}$ | (d) | $\begin{array}{r} \text{H T O} \\ 654 \\ - \quad \quad 4 \\ \hline 650 \end{array}$ |
| (e) | $\begin{array}{r} \text{H T O} \\ 989 \\ - \quad 72 \\ \hline 917 \end{array}$ | (f) | $\begin{array}{r} \text{H T O} \\ 239 \\ - \quad 28 \\ \hline 211 \end{array}$ | (g) | $\begin{array}{r} \text{H T O} \\ 475 \\ - \quad 75 \\ \hline 400 \end{array}$ | (h) | $\begin{array}{r} \text{H T O} \\ 576 \\ - \quad 65 \\ \hline 511 \end{array}$ |

Let Us Do

Subtract the following :

- | | | | | | | | |
|-----|---|-----|---|-----|---|-----|---|
| (a) | $\begin{array}{r} \text{H T O} \\ 560 \\ - 230 \\ \hline 330 \end{array}$ | (b) | $\begin{array}{r} \text{H T O} \\ 432 \\ - 321 \\ \hline 111 \end{array}$ | (c) | $\begin{array}{r} \text{H T O} \\ 787 \\ - 251 \\ \hline 536 \end{array}$ | (d) | $\begin{array}{r} \text{H T O} \\ 673 \\ - 342 \\ \hline 331 \end{array}$ |
| (e) | $\begin{array}{r} \text{H T O} \\ 293 \\ - 151 \\ \hline 142 \end{array}$ | (f) | $\begin{array}{r} \text{H T O} \\ 773 \\ - 472 \\ \hline 301 \end{array}$ | (g) | $\begin{array}{r} \text{H T O} \\ 384 \\ - 153 \\ \hline 231 \end{array}$ | (h) | $\begin{array}{r} \text{H T O} \\ 729 \\ - 618 \\ \hline 111 \end{array}$ |

Let Us Do

Subtract the following :

- | | | | | | | | |
|-----|---|-----|---|-----|---|-----|---|
| (a) | $\begin{array}{r} \text{H T O} \\ \quad 6 \quad 15 \\ 7 \cancel{7} \cancel{8} \\ - 267 \\ \hline 508 \end{array}$ | (b) | $\begin{array}{r} \text{H T O} \\ \quad 8 \quad 17 \\ 8 \cancel{8} \cancel{7} \\ - 578 \\ \hline 319 \end{array}$ | (c) | $\begin{array}{r} \text{H T O} \\ \quad 5 \quad 14 \\ 6 \cancel{8} \cancel{4} \\ - 227 \\ \hline 437 \end{array}$ | (d) | $\begin{array}{r} \text{H T O} \\ \quad 7 \quad 13 \\ 7 \cancel{8} \cancel{8} \\ - 357 \\ \hline 426 \end{array}$ |
| (e) | $\begin{array}{r} \text{H T O} \\ \quad 6 \quad 13 \\ 4 \cancel{7} \cancel{8} \\ - 245 \\ \hline 228 \end{array}$ | (f) | $\begin{array}{r} \text{H T O} \\ \quad 4 \quad 13 \\ 7 \cancel{8} \cancel{8} \\ - 328 \\ \hline 425 \end{array}$ | (g) | $\begin{array}{r} \text{H T O} \\ \quad 5 \quad 15 \\ 6 \cancel{8} \cancel{8} \\ - 236 \\ \hline 429 \end{array}$ | (h) | $\begin{array}{r} \text{H T O} \\ \quad 1 \quad 15 \\ 6 \cancel{7} \cancel{8} \\ - 219 \\ \hline 406 \end{array}$ |

Let Us Do

Subtract the following :

- (a)

	H	T	O
	1	9	13
	2	0	3
-	1	6	5
		3	8

 (b)

	H	T	O
	8	9	10
	9	0	0
-			7
	8	9	3

 (c)

	H	T	O
		13	
	6	3	10
	7	4	0
-		7	9
	6	6	1

 (d)

	H	T	O
	4	10	
	5	0	0
-	1	9	0
	3	1	0
- (e)

	H	T	O
	3	9	10
	4	0	0
-	2	0	3
	1	9	7

 (f)

	H	T	O
	5	10	
	6	0	4
-	1	3	1
	4	7	3

 (g)

	H	T	O
		13	
	6	3	12
	7	4	2
-	1	7	6
	5	6	6

 (h)

	H	T	O
		15	
	8	3	15
	9	6	5
-	5	8	8
	3	7	7

Let Us Do

- Total bags of food = 65
Used bags = 34
Difference = $65 - 34 = 31$
Hence, 31 bags will be left.

- Manan sold mobile phones = 156
Shubham sold mobile phones = 133
Difference = $156 - 133 = 23$
Hence, Manan Sold 23 more mobile phones than Shubham.

- Total number of children in the School = 938
Number of girls = 425
Number of boys in School = $938 - 425 = 513$
Hence, the number of boys in the school is 513.

- Total seat in the cinema hall = 954
Audience in the matinee = 623
Number of vacant seats = $954 - 623 = 331$
Hence, there were 331 seats vacant in the cinema hall.

5. Number of people going to Bangalore = 638
Number of people getting down at Indore = 235
Number of remaining People = $638 - 235 = 403$
Hence, 403 People left in th train.
-

6. Total balloons = 448
Sold balloons = 226
Difference = $448 - 226 = 222$
Hence, he is left with 222 balloons.
-

7. Total seats in the auditorium = 500
People participating in the program = 374
Difference = $500 - 374 = 126$
Hence, 126 seats were vacant in the auditorium.
-

8. Shopkeeper bought tins of cheese = 76
He sold tins = 49
Remaining tins of cheese = $76 - 49 = 27$
Hence, the shopkeeper has 27 cheese tins left.
-

9. Total No. of children eating ice-cream = 565
Number of children vanilla ice-cream = 218
Number of children chocolate ice-cream = $565 - 218 = 347$
Hence, 347 children ate chocolate ice cream.
-

10. Number of students taken by the school to Science city = 364
Number of boys = 167
Number of girls = $364 - 167 = 197$
Hence, the number of girls was 197.
-

11. Total charts = 283
IInd A students made charts = 139
IInd B students made charts = $283 - 139 = 144$
Hence, IInd B Students made 144 charts.
-

12. Total Number of seats = 447
Number of people Traveling = 298
Difference = $447 - 298 = 149$
Hence, 149 Seats are vacant.

Learn with Fun

1. Tick (✓) the correct option :

- (a) 456 taken away from 897 gives :
 (i) 440 (ii) 541 (iii) 441 (iv) 543
- (b) How much more is 999 than 865?
 (i) 143 (ii) 140 (iii) 130 (iv) 134
- (c) There were 334 sweets in a box. Bobby distributed 112 sweets among his friends. How many sweets are left in the box?
 (i) 226 (ii) 222 (iii) 442 (iv) 220

2. Subtract the following :

- (a)

	H	T	O
	5	2	6
-	2	0	2
	3	2	4

 (b)

	H	T	O
	6	1	8
-	3	1	5
	3	0	3

 (c)

	H	T	O
	7	7	4
-	2	4	0
	5	3	4

 (d)

	H	T	O
	4	7	7
-	2	1	5
	2	6	2
- (e)

	H	T	O
	5	3	7
-	3	1	2
	2	2	5

 (f)

	H	T	O
	6	0	5
-	2	0	4
	4	0	1

 (g)

	H	T	O
	8	3	7
-	3	1	3
	5	2	4

 (h)

	H	T	O
	7	1	9
-	5	0	5
	2	1	4

3. Total number of seats =
 Number of seats occupied =
144 seats were vacant.

	H	T	O
	5	7	6
-	4	3	2
	1	4	4

4. Total number of apples =
 Apples plucked by Anisha =
251 apples were left in the orchard.

	H	T	O
	7	8	3
-	5	3	2
	2	5	1



Mixed Problem

Review Exercise

Solve the following :

1.

$$\begin{array}{r}
 \text{T O} \\
 25 \\
 43 \\
 + 10 \\
 \hline
 78
 \end{array}$$

2.

$$\begin{array}{r}
 \text{T O} \\
 35 \\
 53 \\
 + 10 \\
 \hline
 98
 \end{array}$$

3.

$$\begin{array}{r}
 \text{T O} \\
 23 \\
 - 12 \\
 \hline
 11
 \end{array}$$

4.

$$\begin{array}{r}
 \text{T O} \\
 99 \\
 - 37 \\
 \hline
 62
 \end{array}$$

Warm-up Activity

At the School

Two brothers Shankar and Shiva study in the same school. Shankar is in class 2 and Shiva is in class 4. Their friends Ajay and Kavita also study in the same school in classes 1 and 3 respectively.



There are many sections in each class.

Add the number of students of each section to get the total number of students for a class.

Section	Class 1	Class 2	Class 3	Class 4
Section A	32	21	35	25
Section B	23	34	22	31
Section C	34	43	42	32
Total	89	98	99	88

Let Us Do

1. Solve the following in your notebook.

(a) $389 + 497 - 234 = \boxed{652}$ (b) $59 + 380 - 89 = \boxed{350}$

(c) $149 + 456 - 324 = \boxed{281}$ (d) $198 + 456 - 321 = \boxed{333}$

(e) $234 + 562 - 189 = \boxed{396}$ (f) $459 + 232 - 503 = \boxed{188}$

(g) $609 + 321 - 719 = \boxed{211}$ (h) $321 + 95 - 123 = \boxed{293}$

(i) $675 + 257 - 205 = \boxed{727}$ (j) $550 + 26 - 115 = \boxed{461}$

(k) $125 + 39 - 40 = \boxed{124}$ (l) $999 + 21 - 69 = \boxed{951}$

2. Fill in the circles.

(a)
$$\begin{array}{r}
 \text{H T O} \\
 456 \\
 20\textcircled{4} \\
 + 119 \\
 \hline
 779
 \end{array}$$

(b)
$$\begin{array}{r}
 \text{H T O} \\
 16\textcircled{3} \\
 259 \\
 + 568 \\
 \hline
 \textcircled{9}90
 \end{array}$$

(c)
$$\begin{array}{r}
 \text{H T O} \\
 166 \\
 71\textcircled{7} \\
 + \textcircled{0}84 \\
 \hline
 967
 \end{array}$$

(d)
$$\begin{array}{r}
 \text{H T O} \\
 550 \\
 12\textcircled{7} \\
 + 192 \\
 \hline
 869
 \end{array}$$

(e)
$$\begin{array}{r}
 \text{H T O} \\
 356 \\
 21\textcircled{2} \\
 + 356 \\
 \hline
 924
 \end{array}$$

(f)	<table border="1"><tr><td></td><td>H</td><td>T</td><td>O</td></tr><tr><td></td><td>1</td><td>9</td><td>2</td></tr><tr><td></td><td>1</td><td>8</td><td>4</td></tr><tr><td>+</td><td>5</td><td>8</td><td>6</td></tr><tr><td></td><td>9</td><td>6</td><td>2</td></tr></table>		H	T	O		1	9	2		1	8	4	+	5	8	6		9	6	2
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	H	T	O																		
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(k)	<table border="1"><tr><td></td><td>H</td><td>T</td><td>O</td></tr><tr><td></td><td>1</td><td>2</td><td>8</td></tr><tr><td></td><td>3</td><td>4</td><td>1</td></tr><tr><td>+</td><td>2</td><td>9</td><td>3</td></tr><tr><td></td><td>7</td><td>6</td><td>2</td></tr></table>		H	T	O		1	2	8		3	4	1	+	2	9	3		7	6	2
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	4	5	9																		
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(o)	<table border="1"><tr><td></td><td>H</td><td>T</td><td>O</td></tr><tr><td></td><td>3</td><td>4</td><td>5</td></tr><tr><td></td><td>2</td><td>1</td><td>8</td></tr><tr><td>+</td><td>4</td><td>3</td><td>1</td></tr><tr><td></td><td>9</td><td>9</td><td>4</td></tr></table>		H	T	O		3	4	5		2	1	8	+	4	3	1		9	9	4
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(p)	<table border="1"><tr><td></td><td>H</td><td>T</td><td>O</td></tr><tr><td></td><td>5</td><td>9</td><td>2</td></tr><tr><td></td><td>4</td><td>2</td><td>1</td></tr><tr><td>-</td><td></td><td></td><td></td></tr><tr><td></td><td>1</td><td>7</td><td>1</td></tr></table>		H	T	O		5	9	2		4	2	1	-					1	7	1
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	4	2	1																		
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	H	T	O																		
	4	9	9																		
	2	1	8																		
-																					
	2	8	1																		

Let Us Do

Solve the following in your notebook.

1. Nikita read pages = 197
 Saloni read pages = 312
 Difference = 312 - 197
 Saloni read 115 pages more than Nikita.

		10	
	2	1	12
	3	1	2
-	1	9	7
	1	1	5

2. Number of children in the group = 78
 Number of children who went on picnic = 49
 Difference = 78 - 49
 = 29
 29 children did not go on picnic.

	6	18
	7	8
-	4	9
	2	9

3. Number of people drinking tea = 43
 Number of people drinking coffee = 24
 Number of people drinking mango juice = 25
 Total = 43 + 24 + 25
 = 92 people.

	1	
	4	3
	2	4
+	2	5
	9	2

4. Number of rotten apples = 46
 Number of fresh apples = 59
 Total = 46 + 59 = 105.

	1		
	4	6	
+	5	9	
	1	0	5

5. Number of mango trees = 246
 Number of apple trees = 121
 Total trees = $246 + 121$
 = 367 trees.

$$\begin{array}{r} \\ 246 \\ + 121 \\ \hline 367 \end{array}$$

6. Aditi had Stamps = 184
 Kriti gave Stamps = 126
 Total Stamps = $184 + 126$
 = 310 Stamps.

$$\begin{array}{r} \\ 184 \\ + 126 \\ \hline 310 \end{array}$$

7. Number of blue caps = 185
 Number of red caps = 277
 Total caps = $185 + 297$
 = 482

$$\begin{array}{r} \\ 185 \\ + 297 \\ \hline 482 \end{array}$$

8. Runs scored by Australia = 325
 Runs scored by India = 402
 Difference = $402 - 325 = 77$
 India won the match by 77 runs.

$$\begin{array}{r} \\ 402 \\ - 325 \\ \hline 77 \end{array}$$

9. Invitation cards in packet A = 317
 Invitation cards in packet B = 409
 Difference = $409 - 317 = 92$
 92 more cards were there in packet B.

$$\begin{array}{r} \\ 409 \\ - 317 \\ \hline 92 \end{array}$$

10. Number of total days = 365
 Days the school is open = 209
 Difference = $365 - 209$
 = 156 Days

$$\begin{array}{r} \\ 365 \\ - 209 \\ \hline 156 \end{array}$$

Hence, the school remained closed for 156 days.

11. Number of pages in Science book = 126
 Number of pages in Math book = 102
 Number of pages in English book = 164
 Total pages = $126 + 102 + 164$
 = 392 pages.

$$\begin{array}{r} \\ 126 \\ 102 \\ + 164 \\ \hline 392 \end{array}$$

12. Shabnam's rupees = ₹ 50
 Asha's rupees = ₹ 225
 Rashid's rupees = ₹ 105
 Total rupees = ₹ 50 + 225 + 105
 So he has a total of ₹ 380.

$$\begin{array}{r} \\ \\ \\ + \\ \hline \end{array}$$

13. Number of total students in a school = 600
 Number of girls = 299
 Number of boys = 600 – 299 = 301
 When 8 more boys joined the school then
 number of boys = 301 + 8 = 309

$$\begin{array}{r} \\ \\ \\ - \\ \hline \\ \\ + \\ \hline \end{array}$$

14. Total number of chocolate and
 cream cakes = 96
 Number of chocolate cakes = 57
 Number of cream cakes = 96 – 57 = 39
 14 chocolate cakes were sold
 out of it 57 – 14 = 43
 Hence, 43 chocolates are left in the shop.

$$\begin{array}{r} \\ \\ \\ - \\ \hline \end{array}$$

15. Total seats = 450
 Seats used in the first week = 150
 Seats used in the second week = 92
 Sum of used seats = 150 + 92
 = 242
 left seats = 450 – 242 = 208
 Hence, 208 seats were left.

$$\begin{array}{r} \\ \\ + \\ \hline \\ \\ \\ - \\ \hline \end{array}$$

16. Number of bicycles in shop = 29
 Number of bicycles received = 70
 Sum of bicycles = 29 + 70
 = 99
 When 52 bicycles were sold
 then number of bicycles = 99 – 52
 = 47

$$\begin{array}{r} \\ \\ + \\ \hline \\ \\ \\ - \\ \hline \end{array}$$

17.

Total Potatos = 126 kg
 rotten potatos = 7 kg
 left potatos = $126 - 7 = 119$
 Sold Potatos = 96
 left potatos = $119 - 96 = 23$

	1	16
1	2	6
	-	7
1	1	9
-	9	6
	2	3

Hence, 23 kg potatos were left.

18. Manisha had in her desk Pencils = 3

Rulers = 4

Rubbers = 2

Sharpener = 5

Sum of things = $3 + 4 + 2 + 5$
 $= 14$

When she took out 1 pencil, 1 rubber and 1 ruler

Then $14 - 3 = 11$

Then 11 things were left in her desk.

19.

A farmer had Horses = 32

Cows = 91

Goats = 28

Sum of animals = $32 + 91 + 28 = 151$

11 cows and 15 goats run away

$= 11 + 15$

$= 26$

Then total animals were left on his farm

$= 151 - 26 = 125$

Hence, 125 animals were left on his farm.

	1	
	3	2
	9	1
+	2	8
1	5	1

	4	11
1	8	1
-	2	6
1	2	5

20.

Total music cassettes = 62

Borrowed cassettes = 15

now cassettes = $62 - 15 = 47$

When he returns 11 cassettes

The number of cassettes = $47 + 11 = 58$

Hence, Amit has 58 cassettes.

	5	12
	6	2
-	1	5
	4	7
+	1	1
	5	8

Learn with Fun

1. Which of the following add up to 987?

(a) $567 + 420$

2. Find the missing digit and write in circle :

(a)

	H	T	O
	2	4	①
	①	5	3
+	5	⑦	5
	8	9	9

(b)

	H	T	O
	1	③	4
	⑦	5	3
+	⑦	4	⑤
	2	3	2

3. Fill in the blanks :

(a) 42 tens = 4 hundreds + 2 tens

(b) 5 hundreds + 20 tens = 7 hundreds + 0 tens

(c) 3 hundreds + 24 tens = 5 hundreds + 4 tens

(d) 7 hundreds + 16 tens = 8 hundreds + 6 tens

(e) 5 hundreds + 30 tens = 8 hundreds + 0 tens

4. Add the following :

(a)

	H	T	O
	①		
		5	8
+		8	0
	1	3	8

(b)

	H	T	O
	①		
		6	3
+		9	5
	1	5	8

(c)

	H	T	O
	①		
		9	1
+		6	6
	1	5	7

(d)

	H	T	O
	①		
		7	9
+		5	0
	1	2	9

(e)

	H	T	O
	①		
		8	4
+		4	1
	1	2	5

(f)

	H	T	O
	①		
		7	6
+		5	1
	1	2	7

(g)

	H	T	O
	①		
		6	5
+		8	0
	1	4	5

(h)

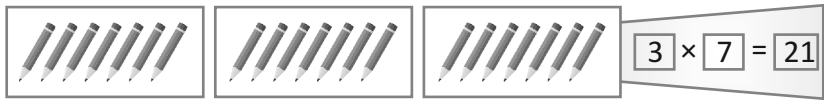
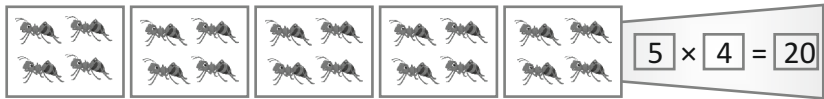
	H	T	O
	①		
		7	1
+		3	2
	1	0	3



Multiplication

Review Exercise

1. Write the multiplication fact. One has been done for you.



2. Write the multiplication fact for each repeated addition. One has been done for you.

$2 + 2 + 2 + 2 + 2 + 2 = 12$ \longrightarrow $6 \times 2 = 12$

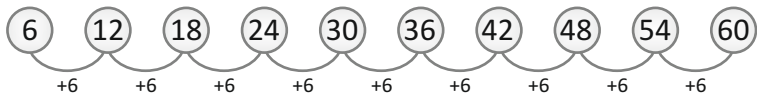
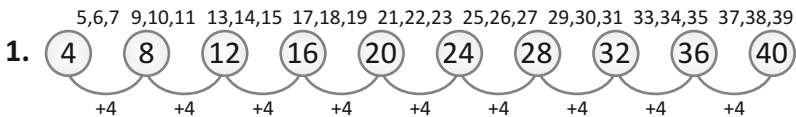
$6 + 6 + 6 + 6 = 24$ \longrightarrow $4 \times 6 = 24$

$4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 = 32$ \longrightarrow $8 \times 4 = 32$

Warm-up Activity

Do yourself

Let Us Do



2.

7
7 + 7
7 + 7 + 7
7 + 7 + 7 + 7
7 + 7 + 7 + 7 + 7
7 + 7 + 7 + 7 + 7 + 7
7 + 7 + 7 + 7 + 7 + 7 + 7
7 + 7 + 7 + 7 + 7 + 7 + 7 + 7
7 + 7 + 7 + 7 + 7 + 7 + 7 + 7 + 7
7 + 7 + 7 + 7 + 7 + 7 + 7 + 7 + 7 + 7

Or

7 ones are 7
7 twos are 14
7 threes are 21
7 fours are 28
7 fives are 35
7 sixes are 42
7 sevens are 49
7 eights are 56
7 nines are 63
7 tens are 70

Or

$7 \times 1 = 7$
 $7 \times 2 = 14$
 $7 \times 3 = 21$
 $7 \times 4 = 28$
 $7 \times 5 = 35$
 $7 \times 6 = 42$
 $7 \times 7 = 49$
 $7 \times 8 = 56$
 $7 \times 9 = 63$
 $7 \times 10 = 70$

3. Write the product as shown by the sticks in the given figures.

(a) 40

(b) 50

(c) 21

Let Us Do

Fill in the products without looking at the tables.

(a) $3 \times 2 = 6$

(b) $2 \times 4 = 8$

(c) $6 \times 9 = 54$

(d) $8 \times 2 = 16$

(e) $4 \times 7 = 28$

(f) $8 \times 4 = 32$

(g) $5 \times 8 = 40$

(h) $6 \times 5 = 30$

(i) $7 \times 7 = 49$

(j) $9 \times 7 = 63$

Let Us Do

1. Calculate and prove that the product of the following remain the same even after reversing the order.

(a) $7 \times 9 = 63$

(b) $9 \times 5 = 45$

(c) $4 \times 3 = 12$

$9 \times 7 = 63$

$5 \times 9 = 45$

$3 \times 4 = 12$

(d) $5 \times 4 = 20$

(e) $3 \times 7 = 21$

(f) $2 \times 6 = 12$

$4 \times 5 = 20$

$7 \times 3 = 21$

$6 \times 2 = 12$

2. Multiply the following by 1 :

(a) $9 \times 1 = 9$

(b) $8 \times 1 = 8$

(c) $6 \times 1 = 6$

(d) $4 \times 1 = 4$

3. Find the product of the following :

(a) $16 \times 0 = 0$

(b) $8 \times 0 = 0$

(c) $6 \times 0 = 0$

(d) $2 \times 0 = 0$

(e) $10 \times 0 = 0$

Let Us Revise

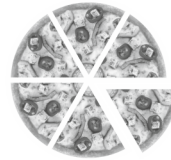
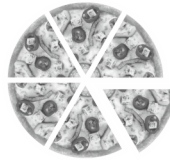
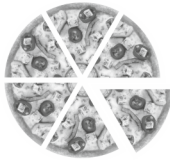
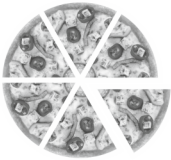
1. There are 2 ponds. Each pond has 4 ducks. How many ducks are there in the two ponds?



$$4 + 4 = \boxed{8} \text{ Or 2 times 4 equals}$$

$$\text{There are } \boxed{2} \times \boxed{4} = \boxed{8} \text{ ducks.}$$

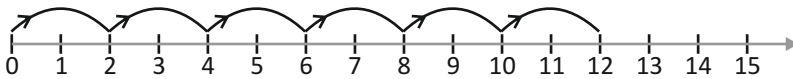
2. A pizza has 6 slices. How many slices will 4 pizzas have?



$$\boxed{6} + \boxed{6} + \boxed{6} + \boxed{6} = \boxed{24}$$

$$\text{Or } \boxed{4} \times \boxed{6} = \boxed{24} \text{ slices.}$$

3. Multiplication of 2 by 6 using number line.

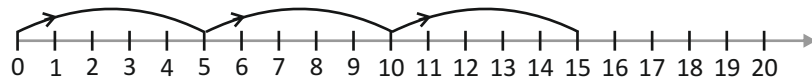


$$2 + 2 + 2 + 2 + 2 + 2 = \boxed{12}$$

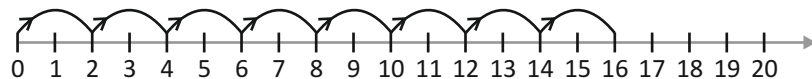
$$6 \times 2 = \boxed{12}$$

4. Multiply the following using a number line.

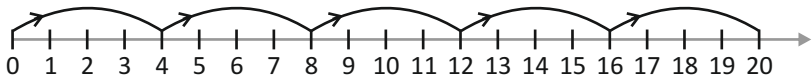
(a) 5 by 3



(b) 2 by 8



(c) 4 by 5



5. Recollect the tables and match the following.

- | | | | |
|------------------|------------|------------------|-------------|
| (a) 5×4 | → (i) 27 | (g) 3×8 | → (vii) 30 |
| (b) 6×8 | → (ii) 40 | (h) 2×6 | → (viii) 24 |
| (c) 9×3 | → (iii) 48 | (i) 7×7 | → (ix) 35 |
| (d) 5×8 | → (iv) 18 | (j) 5×6 | → (x) 36 |
| (e) 7×3 | → (v) 20 | (k) 5×7 | → (xi) 12 |
| (f) 2×9 | → (vi) 21 | (l) 6×6 | → (xii) 49 |

6. Count in threes and fill in the boxes.

- (a) $\textcircled{0}$ $\textcircled{3}$ $\textcircled{6}$ $\textcircled{9}$ $\textcircled{12}$ $\textcircled{15}$
- (b) $\textcircled{18}$ $\textcircled{21}$ $\textcircled{24}$ $\textcircled{27}$ $\textcircled{30}$ $\textcircled{33}$
- (c) $\textcircled{37}$ $\textcircled{40}$ $\textcircled{43}$ $\textcircled{46}$ $\textcircled{49}$ $\textcircled{52}$

7. Count in fives fill in the circles.

- (a) $\textcircled{0} \xrightarrow{+5} \textcircled{5} \xrightarrow{+5} \textcircled{10} \xrightarrow{+5} \textcircled{15} \xrightarrow{+5} \textcircled{20} \xrightarrow{+5} \textcircled{25} \xrightarrow{+5} \textcircled{30}$
- (b) $\textcircled{30} \xrightarrow{+5} \textcircled{35} \xrightarrow{+5} \textcircled{40} \xrightarrow{+5} \textcircled{45} \xrightarrow{+5} \textcircled{50} \xrightarrow{+5} \textcircled{55} \xrightarrow{+5} \textcircled{60}$
- (c) $\textcircled{45} \xrightarrow{+5} \textcircled{50} \xrightarrow{+5} \textcircled{55} \xrightarrow{+5} \textcircled{60} \xrightarrow{+5} \textcircled{65} \xrightarrow{+5} \textcircled{70} \xrightarrow{+5} \textcircled{75}$
- (d) $\textcircled{65} \xrightarrow{+5} \textcircled{70} \xrightarrow{+5} \textcircled{75} \xrightarrow{+5} \textcircled{80} \xrightarrow{+5} \textcircled{85} \xrightarrow{+5} \textcircled{90}$

Let Us Do

Find the product of the following.

- (a)

	T	O
	2	4
×		2
	4	8

 (b)

	T	O
	3	2
×		3
	9	6

 (c)

	T	O
	2	3
×		3
	6	9

 (d)

	T	O
	1	4
×		2
	2	8

 (e)

	T	O
	3	2
×		2
	6	4

(f)
$$\begin{array}{r} \text{T O} \\ 11 \\ \times \quad 7 \\ \hline 77 \end{array}$$
 (g)
$$\begin{array}{r} \text{T O} \\ 22 \\ \times \quad 3 \\ \hline 66 \end{array}$$
 (h)
$$\begin{array}{r} \text{T O} \\ 42 \\ \times \quad 2 \\ \hline 84 \end{array}$$
 (i)
$$\begin{array}{r} \text{T O} \\ 31 \\ \times \quad 3 \\ \hline 93 \end{array}$$
 (j)
$$\begin{array}{r} \text{T O} \\ 44 \\ \times \quad 2 \\ \hline 88 \end{array}$$

Let Us Do

Multiply the following.

(a)
$$\begin{array}{r} \text{H T O} \\ \square 2 \\ \times \quad 3 \\ \hline 57 \end{array}$$
 (b)
$$\begin{array}{r} \text{H T O} \\ \square 1 \\ \times \quad 2 \\ \hline 58 \end{array}$$
 (c)
$$\begin{array}{r} \text{H T O} \\ 23 \\ \times \quad 5 \\ \hline 230 \end{array}$$
 (d)
$$\begin{array}{r} \text{H T O} \\ \square 2 \\ \times \quad 4 \\ \hline 84 \end{array}$$
 (e)
$$\begin{array}{r} \text{H T O} \\ 13 \\ \times \quad 7 \\ \hline 175 \end{array}$$

(f)
$$\begin{array}{r} \text{H T O} \\ \square 2 \\ \times \quad 4 \\ \hline 84 \end{array}$$
 (g)
$$\begin{array}{r} \text{H T O} \\ \square 1 \\ \times \quad 3 \\ \hline 75 \end{array}$$
 (h)
$$\begin{array}{r} \text{H T O} \\ \square 2 \\ \times \quad 4 \\ \hline 60 \end{array}$$
 (i)
$$\begin{array}{r} \text{H T O} \\ 14 \\ \times \quad 5 \\ \hline 140 \end{array}$$
 (j)
$$\begin{array}{r} \text{H T O} \\ \square 1 \\ \times \quad 3 \\ \hline 78 \end{array}$$

(k)
$$\begin{array}{r} \text{H T O} \\ 16 \\ \times \quad 8 \\ \hline 144 \end{array}$$
 (l)
$$\begin{array}{r} \text{H T O} \\ 21 \\ \times \quad 4 \\ \hline 216 \end{array}$$
 (m)
$$\begin{array}{r} \text{H T O} \\ 21 \\ \times \quad 5 \\ \hline 215 \end{array}$$
 (n)
$$\begin{array}{r} \text{H T O} \\ 22 \\ \times \quad 3 \\ \hline 201 \end{array}$$
 (o)
$$\begin{array}{r} \text{H T O} \\ 11 \\ \times \quad 2 \\ \hline 150 \end{array}$$

Let Us Do

1. Number of ears has one rabbit = 2

Number of rabbit = 5

Number of ears has 5 rabbit = 2×5

Ans. = 10 ears

$$\begin{array}{r} \square \square \\ \square 2 \\ \times 5 \\ \hline 10 \end{array}$$

2. Number of legs in a table = 4

Number of table = 8

Number of legs in 8 table = 4×8

Ans. = 32 legs

$$\begin{array}{r} \square \square \\ \square 4 \\ \times 8 \\ \hline 32 \end{array}$$

3. Number of mangoes in a basket = 25

Number of baskets = 5

Number of mangoes in 5 baskets = 25×5

Ans. = 125 mangoes.

$$\begin{array}{r} 2 \square \\ 25 \\ \times 5 \\ \hline 125 \end{array}$$

4. Number of crayans in one box = 10

Number of boxes = 5

Number of crayans in 5 boxes = 10×5

Ans. = 50 crayans.

1	0
×	5
5	0

5. Number of seats in a aeroplane = 256

Number of aeroplane = 4

Number of seats in 4 aeroplane = 256×4

Ans. = 1024 Seats

2	2		
2	5	6	
	×	4	
1	0	2	4

6. Number of rooms in one floor = 56

Number of floor = 3

Number of rooms in 3 floor = 56×3

Ans. = 168 rooms.

1		
5	6	
×	3	
1	6	8

7. Number of tickets Sell in one day = 79

Number of days = 9

Number of tickets sell in 9 days = 79×9

Ans. = 711 Tickets

8		
7	9	
×	9	
7	1	1

8. Number of Passengers in a single trip = 18

Number of trip = 3

Number of passengers in a 3 trip = $18 \times 3 = 54$

Ans. = 54 Passengers

2	
1	8
×	3
5	4

9. Number of pages in one text book = 107

Number of text books = 8

Number of pages in 8 text books = 107×8

Ans. = 856 Pages.

5		
1	0	7
	×	8
8	5	6

10. Number of chocolates in one bag = 85

Number of bags = 9

Number of chocolates in 9 bags = 85×9

Ans. = 765 chocolates.

4		
8	5	
	×	9
7	6	5

11. Number of fans in one classroom = 4

Number of classrooms = 42

Number of fans in 42 classroom = 42×4

Ans. = 168 fans.

4	2	
	×	4
1	6	8

12. Number of books in one shelves = 75

Number of Shelves = 8

Number of books in 8 shelves = 75×8

Ans. = 600 books.

	4	
	7	5
	\times	8
6	0	0

13. Number of apples in one box = 25

Number of boxes = 9

Number of apples in 9 boxes = 25×9

Ans. = 225 apples.

	4	
	2	5
	\times	9
2	2	5

14. Number of sweets in one jar = 25

Number of jars = 5

Number of sweets in 5 jars = 25×5

Ans. = 125 sweets

	2	
	2	5
	\times	5
1	2	5

15. Number of apples in one tree = 61

Number of trees = 9

Number of apples in 9 trees = 61×9

Ans. = 549 apples

	6	1
	\times	9
5	4	9

Learn with Fun

1. Tick (✓) the correct option :

(a) (ii) (b) (i) (c) (ii) (d) (i) (e) (ii)

2. Fill in the same number in the boxes of each line.

(a) $5 + 5 + 5 = 15$

(b) $3 + 3 + 3 + 3 + 3 = 15$

3. Fill in the missing terms using multiplication tables.

(a) 4, 8, 12, 16, 20, 24 (b) 5, 10, 15, 20, 25

(c) 3, 6, 9, 12, 15 (d) 2, 4, 6, 8, 10

4. Number of sandwiches in one day = 4

Number of days = 8

Number of sandwiches in 8 days = 4×8

Ans. = 32 Sandwiches.

	4
\times	8
3	2

5. Number of people can sit in one car = 5

Number of cars = 10

Number of people can sit in 10 cars = 5×10

Ans. = 50 peoples.

1	0
\times	5
5	0

Review Exercise

1. Fill in the blanks :

(a) $6 \div 3 = 2$

(b) $8 \div 4 = 2$

(c) $10 \div 2 = 5$

(d) $12 \div 3 = 4$

(e) If $5 \times 2 = 10$ then $10 \div 5 = 2$ and $10 \div 2 = 5$.

2. Divide 12 kites in groups of four. How many such groups are formed?

Ans. 3 groups.

Warm-up Activity

If we arrange 9 marbles in groups of 2, how many groups do we get?



1. We get 4 groups and 1 extra marble.

2. If we want 5 groups, how many more marbles do we need? 1

3. If we want 6 groups, how many more marbles do we need? 3

Let Us Do

1. Verify if the quotient is 1.

(a) $6 \div 6 = 1$ (b) $7 \div 7 = 1$ (c) $4 \div 4 = 1$ (d) $9 \div 9 = 1$

2. Find the quotient if the divisor is 1.

(a) $45 \div 1 = 45$

(b) $22 \div 1 = 22$

(c) $31 \div 1 = 31$

(d) $9 \div 1 = 9$

Let us Revise

1. A basket has 18 apples which are to be shared equally among 3 children. How many apples will each child get?

$$\begin{array}{r} 18 \\ -3 \\ \hline 15 \\ -3 \\ \hline 12 \end{array} \leftarrow 1$$

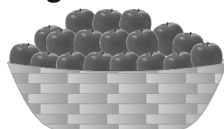
$$\begin{array}{r} 12 \\ -3 \\ \hline 9 \\ -3 \\ \hline 6 \end{array} \leftarrow 3$$

$$\begin{array}{r} 6 \\ -3 \\ \hline 3 \\ -3 \\ \hline 0 \end{array} \leftarrow 5$$

$$\begin{array}{r} 18 \\ -3 \\ \hline 15 \\ -3 \\ \hline 12 \end{array} \leftarrow 2$$

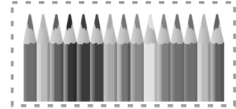
$$\begin{array}{r} 12 \\ -3 \\ \hline 9 \\ -3 \\ \hline 6 \end{array} \leftarrow 4$$

$$\begin{array}{r} 6 \\ -3 \\ \hline 3 \\ -3 \\ \hline 0 \end{array} \leftarrow 6$$



Each child will get 6 apples.

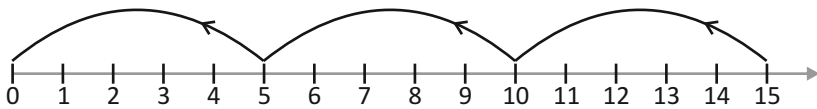
2. Surbhi wishes to share 15 pencils equally among her 5 friends. How many pencils will each friend get?



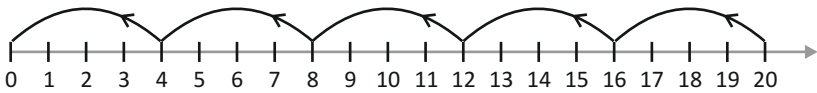
Everyone has **3** pencils.

We write $15 \div 5 = 3$

3. $15 \div 5 = \boxed{3}$. Show this division on a number line.



4. Divide 20 by 4 using a number line.



Write two division fact for each multiple fact.

Let Us Do

	Multiplication Fact	Division Fact	
1.	$4 \times 2 = 8$	$8 \div 2 = 4$	$8 \div 4 = 2$
2.	$6 \times 9 = 54$	$54 \div 9 = 6$	$54 \div 6 = 9$
3.	$5 \times 3 = 15$	$15 \div 3 = 5$	$15 \div 5 = 3$
4.	$4 \times 3 = 12$	$12 \div 3 = 4$	$12 \div 4 = 3$
5.	$7 \times 4 = 28$	$28 \div 4 = 7$	$28 \div 7 = 4$
6.	$8 \times 6 = 48$	$48 \div 6 = 8$	$48 \div 8 = 6$
7.	$5 \times 7 = 35$	$35 \div 7 = 5$	$35 \div 5 = 7$
8.	$10 \times 5 = 50$	$50 \div 5 = 10$	$50 \div 10 = 5$
9.	$9 \times 5 = 45$	$45 \div 5 = 9$	$45 \div 9 = 5$
10.	$7 \times 8 = 56$	$56 \div 8 = 7$	$56 \div 7 = 8$

Let Us Do

1. Divide the following. One has been done for you.

(a) $48 \div 8$ (b) $64 \div 8$ (c) $45 \div 5$ (d) $42 \div 6$

$$\begin{array}{r} 8 \overline{) 48} \text{ (6)} \\ -48 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 8 \overline{) 64} \text{ (8)} \\ -64 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 5 \overline{) 45} \text{ (9)} \\ -45 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 6 \overline{) 42} \text{ (7)} \\ -42 \\ \hline 0 \end{array}$$

Dividend = **48** Dividend = **64** Dividend = **45** Dividend = **42**

Divisor = **8** Divisor = **8** Divisor = **5** Divisor = **6**

Quotient = **6** Quotient = **8** Quotient = **9** Quotient = **7**

(e) $49 \div 7$ (f) $63 \div 7$ (g) $24 \div 6$ (h) $32 \div 4$

$$\begin{array}{r} 7 \overline{) 49} \text{ (7)} \\ -49 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 7 \overline{) 63} \text{ (9)} \\ -63 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 6 \overline{) 24} \text{ (4)} \\ -24 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 4 \overline{) 32} \text{ (8)} \\ -32 \\ \hline 0 \end{array}$$

Dividend = **49** Dividend = **63** Dividend = **24** Dividend = **32**

Divisor = **7** Divisor = **7** Divisor = **6** Divisor = **4**

Quotient = **7** Quotient = **9** Quotient = **4** Quotient = **8**

2. Divide the following in your notebook using long division method.

(a) $99 \div 9$ (b) $48 \div 4$ (c) $90 \div 3$ (d) $96 \div 6$

$$\begin{array}{r} 9 \overline{) 99} \text{ (11)} \\ -9 \\ \hline 9 \\ -9 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 4 \overline{) 48} \text{ (12)} \\ -4 \\ \hline 8 \\ -8 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 3 \overline{) 90} \text{ (30)} \\ -9 \\ \hline 0 \\ -0 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 6 \overline{) 96} \text{ (16)} \\ -6 \\ \hline 36 \\ -36 \\ \hline 0 \end{array}$$

(e) $84 \div 4$ (f) $68 \div 2$ (g) $90 \div 5$ (h) $72 \div 6$

$$\begin{array}{r} 4 \overline{) 84} \text{ (21)} \\ -8 \\ \hline 4 \\ -4 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 2 \overline{) 68} \text{ (34)} \\ -6 \\ \hline 8 \\ -8 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 5 \overline{) 90} \text{ (18)} \\ -5 \\ \hline 40 \\ -40 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 6 \overline{) 72} \text{ (12)} \\ -6 \\ \hline 12 \\ -12 \\ \hline 0 \end{array}$$

(i) $96 \div 8$	(j) $84 \div 7$	(k) $88 \div 5$	(l) $91 \div 5$
$\begin{array}{r} 8 \overline{) 96} (12 \\ \underline{-8} \\ 16 \\ \underline{-16} \\ 0 \end{array}$	$\begin{array}{r} 7 \overline{) 84} (12 \\ \underline{-7} \\ 14 \\ \underline{-14} \\ 0 \end{array}$	$\begin{array}{r} 5 \overline{) 88} (17 \\ \underline{-5} \\ 38 \\ \underline{-35} \\ 3 \end{array}$	$\begin{array}{r} 5 \overline{) 91} (18 \\ \underline{-5} \\ 41 \\ \underline{-40} \\ 1 \end{array}$
(m) $91 \div 3$	(n) $67 \div 4$	(o) $99 \div 6$	(p) $81 \div 7$
$\begin{array}{r} 3 \overline{) 91} (30 \\ \underline{-9} \\ 1 \\ \underline{-0} \\ 1 \end{array}$	$\begin{array}{r} 4 \overline{) 67} (16 \\ \underline{-4} \\ 27 \\ \underline{-24} \\ 3 \end{array}$	$\begin{array}{r} 6 \overline{) 99} (16 \\ \underline{-6} \\ 39 \\ \underline{-36} \\ 3 \end{array}$	$\begin{array}{r} 7 \overline{) 81} (11 \\ \underline{-7} \\ 11 \\ \underline{-7} \\ 4 \end{array}$

Let Us Do

1. Number of sweets = 48
 Number of children = 6
 \therefore Each children gets $48 \div 6 = 8$
 Each children gets 8 sweets.

$$\begin{array}{r} 6 \overline{) 48} (8 \\ \underline{-48} \\ 0 \end{array}$$

2. Number of pages = 88
 Number of days = 8
 She read pages in one day = $88 \div 8 = 11$
 So she read 11 pages in one day.

$$\begin{array}{r} 8 \overline{) 88} (11 \\ \underline{-8} \\ 8 \\ \underline{-8} \\ 0 \end{array}$$

3. Number of bicycles = 48
 Number of rows = 4
 Number of bicycles in each rows = $48 \div 4 = 12$
 So Number of 12 bicycles in each rows.

$$\begin{array}{r} 4 \overline{) 48} (12 \\ \underline{-4} \\ 8 \\ \underline{-8} \\ 0 \end{array}$$

4. Number of days = 91
 Number of days week = 7
 Number of week in 91 day = $91 \div 7 = 13$

$$\begin{array}{r} 7 \overline{) 91} (13 \\ \underline{-7} \\ 21 \\ \underline{-21} \\ 0 \end{array}$$

5. Number of chairs = 98

Number of rows = 8

Number of chairs in one row = $98 \div 8 = 12$

Therefore there will be 12 chairs in a row
and 2 chairs are left.

$$\begin{array}{r} 8 \overline{) 98} \quad (12 \\ - 8 \\ \hline 18 \\ - 16 \\ \hline 2 \end{array}$$

6. Number of Students = 81

Number of students one team = 6

Number of teams = $81 \div 6 = 13$

3 Students will be left out.

$$\begin{array}{r} 6 \overline{) 81} \quad (13 \\ - 6 \\ \hline 21 \\ - 18 \\ \hline 3 \end{array}$$

7. Number of sweets = 97

Number of boxes = 9

Number of sweets in each box = $97 \div 9 = 10$

Each box will contain 10 sweets
and 7 sweets are left out.

$$\begin{array}{r} 9 \overline{) 97} \quad (10 \\ - 9 \\ \hline 7 \\ - 0 \\ \hline 7 \end{array}$$

8. Number of books = 81

Number of days = 9

Books sold per day = $81 \div 9 = 9$

$$\begin{array}{r} 9 \overline{) 81} \quad (9 \\ - 81 \\ \hline 0 \end{array}$$

9. Number of students = 40

Number of rows = 5

Number of students in each row = $40 \div 5$

= 8 Students.

$$\begin{array}{r} 5 \overline{) 40} \quad (8 \\ - 40 \\ \hline 0 \end{array}$$

10. Number of pencils = 48

Number of packet = 8

Number of Pencils in each packet = $48 \div 8$

= 6 Pencils

$$\begin{array}{r} 8 \overline{) 48} \quad (6 \\ - 48 \\ \hline 0 \end{array}$$

11. Number of Ice creams = 20

Number of children = 5

each children will get = $20 \div 5 = 4$

$$\begin{array}{r} 5 \overline{) 20} \quad (4 \\ - 20 \\ \hline 0 \end{array}$$

12. Number of buttons = 42

Number of Shirts = 7

Buttons to be stitched in each shirt = $42 \div 7 = 6$ Buttons

$$\begin{array}{r} 7 \overline{) 42} \quad (6 \\ - 42 \\ \hline 0 \end{array}$$

13. Lenth of ribbon = 28 metres
 Number of girls = 4
 Each girl will get ribbon = $28 \div 4$
 = 7 metres.

$$\begin{array}{r} 4 \overline{)28} \overline{)7} \\ - 28 \\ \hline 0 \end{array}$$

14. Number of milk bottles = 48
 Bottles held in each cantainer = 6
 then cantainer will be required to
 keep 48 bottles = $48 \div 6 = 8$

$$\begin{array}{r} 6 \overline{)48} \overline{)8} \\ - 48 \\ \hline 0 \end{array}$$

15. Cost = ₹ 795
 dolls = 5
 Cost of each doll = $795 \div 5$
 = ₹ 159

$$\begin{array}{r} 5 \overline{)795} \overline{)159} \\ - 5 \\ \hline 29 \\ - 25 \\ \hline 45 \\ - 45 \\ \hline 0 \end{array}$$

Learn with Fun

1. Tick (✓) the correct option :

- (a) (ii) (b) (iv) (c) (iii)
 (d) (i) (e) (iii)

2. Divide the following :

(a) $5 \overline{)20} \overline{)4}$ $\begin{array}{r} - 20 \\ \hline 0 \end{array}$ Remainder = 0	(b) $4 \overline{)31} \overline{)7}$ $\begin{array}{r} - 28 \\ \hline 3 \end{array}$ Remainder = 3	(c) $5 \overline{)37} \overline{)7}$ $\begin{array}{r} - 35 \\ \hline 2 \end{array}$ Remainder = 2	(d) $2 \overline{)15} \overline{)7}$ $\begin{array}{r} - 14 \\ \hline 1 \end{array}$ Remainder = 1
(e) $7 \overline{)53} \overline{)7}$ $\begin{array}{r} - 49 \\ \hline 4 \end{array}$ Remainder = 4	(f) $6 \overline{)55} \overline{)9}$ $\begin{array}{r} - 54 \\ \hline 1 \end{array}$ Remainder = 1	(g) $3 \overline{)19} \overline{)6}$ $\begin{array}{r} - 18 \\ \hline 1 \end{array}$ Remainder = 1	(h) $4 \overline{)22} \overline{)5}$ $\begin{array}{r} - 20 \\ \hline 2 \end{array}$ Remainder = 2

3. 9 groups

4. 7 bags and 4 shells were left.

Review Exercise

Shade the 2-D shapes yellow and the 3-D shapes green.

Warm-up Activity

Colour your Own World.

Do yourself.

What type of lines did you use for the following outlines?

- | | | | | |
|--------------------------|----------|--------------------------------|--------|--------------------------------|
| 1. The door of the house | Straight | <input type="text" value="4"/> | Curved | <input type="text" value="0"/> |
| 2. The rainbow | Straight | <input type="text" value="0"/> | Curved | <input type="text" value="8"/> |
| 3. The window | Straight | <input type="text" value="8"/> | Curved | <input type="text" value="0"/> |

Let Us Do

Answer the following questions.

- | | |
|---|---|
| 1. Which shape has 3 vertices? | <input type="text" value="Triangle"/> |
| 2. Which shape has all 4 sides equal? | <input type="text" value="Square"/> |
| 3. Which shape has its opposite side equal? | <input type="text" value="Rectangle"/> |
| 4. How many sides does a hexagon have? | <input type="text" value="6 Sides"/> |
| 5. Which shape has unequal diagonals? | <input type="text" value="Rhombus"/> |
| 6. How many vertices does a rhombus have? | <input type="text" value="4"/> |
| 7. Name two shapes having no sides. | <input type="text" value="Oval, circle"/> |
| 8. Name two shapes having equal diagonals. | <input type="text" value="Rectangle Square"/> |

Let Us Do

1. Circle the correct shape of the following objects.

(a)



(b)



Sphere

Cuboid

Rectangle

Cube

Cuboid

Square



Sphere

Circle

Cylinder



Triangle

Cone

Cylinder



Cylinder

Cone

Rectangle



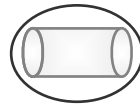
Circle

Sphere

Cone

2. Circle the object having :

(a) A curved surface.



(b) 12 edges and 8 vertices.



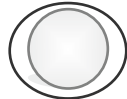
(c) 1 vertex.



(d) Only flat faces.



(e) No vertex.



Let Us Do

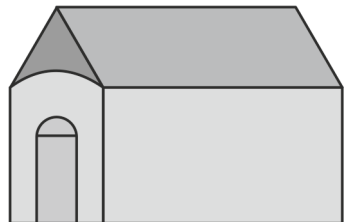
1. Look at the figure and write the number of :

(a) Horizontal lines

(b) Vertical lines

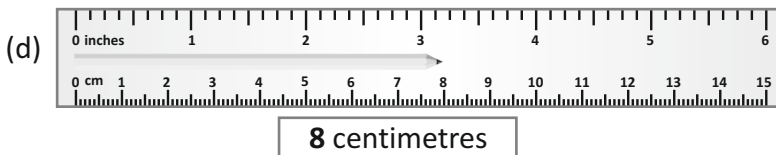
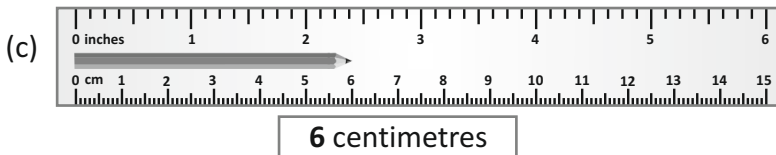
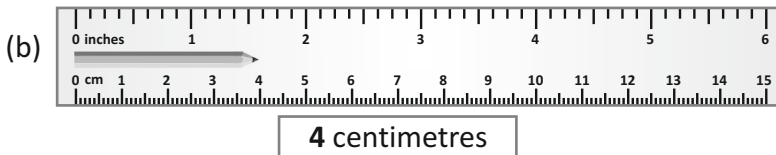
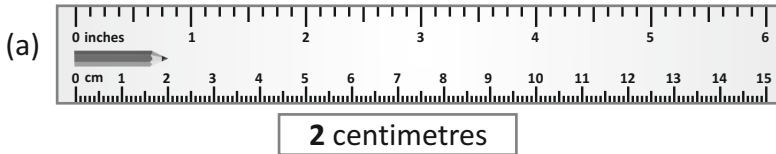
(c) Slanting lines

(d) Curved lines



Review Exercise

1. Measure the pencils in centimetres and write down their lengths.



Warm-up Activity

- ❖ Write whether you weight these objects using kg or g in each of the following :

- The mass of two-5 rupee coins would be measured in **g**.
- The mass of your cricket bat would be measured in **kg**.
- The mass of a chocolate bar would be measured in **g**.
- The mass of a deer would be measured in **kg**.

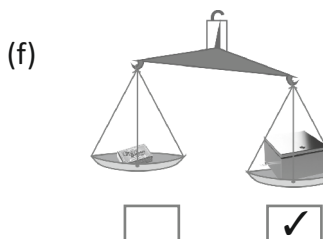
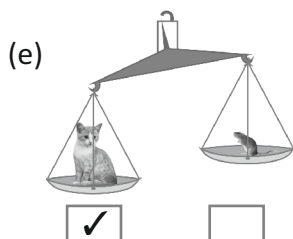
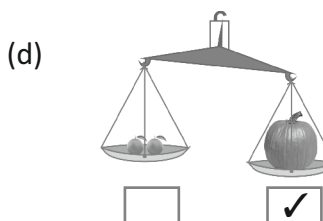
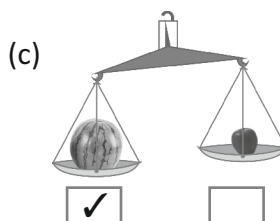
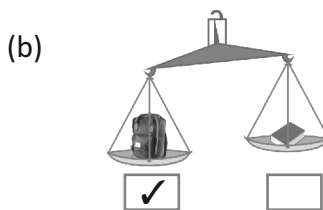
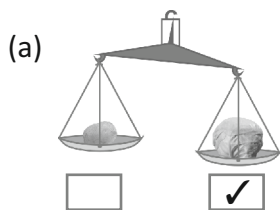
Let Us Do

Measure the length of these objects and fill in the blanks.

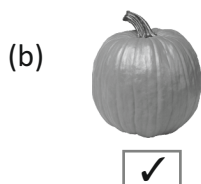
Do yourself

Let Us Do

1. Tick (✓) the heavier object.



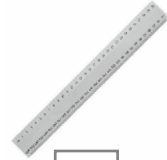
2. Tick (✓) the heaviest and cross the lightest in each group.



(c)



(d)



Let Us Do

Tick (✓) the container whose capacity is maximum in each group.

1.



2.



3.



1. Tick (✓) the correct option :

(a) (ii)

(b) (ii)

(c) (i)

(d) (ii)

(e) (iii)

(f) (i)

2. Circle the unit you will use to measure the length in each of the following :

(a) Length of a room

(m) / cm

(b) Length of a lunch box

m / (cm)

(c) Length of your notebook

m / (cm)

(d) Length of your school bag

(m) / cm

3. Write the unit in each of the following :

- (a) The capacity of a spoon would be measured in **ml**.
- (b) The capacity of a bucket would be measure in **L**.
- (c) The capacity of a cup would be measured in **mL**.
- (d) The capacity of an aquarium would be measured in **L**.



Chapter

10

Data Handling

Review Exercise

Study the table and answer the following questions.

- 1. Which class has minimum attendance at the morning assembly on Day 1? **Class 3**
- 2. Which class has maximum attendance at the morning assembly on Day 2? **Class 1**
- 3. Which class has more attendance on Day 2 compared to Day 1? **Class 3**

Warm-up Activity

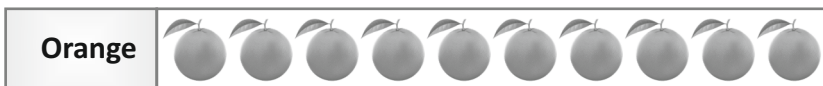
Look at the picture of Pari's birthday party. In the table fill the number of items that you can see in the picture.








Things	Quantity
Balloons	2
Children	3
Toffees	6
Apples	5
Candles	4
Caps	2
Gifts	3

Let Us Do




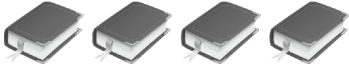
- 1. Observe the given pictograph of fruits and answer the questions that follow :



Banana	
Papaya	
Apple	
Mango	
Pear	

- (a) How many oranges are there? **10**
- (b) How many papayas are there? **5**
- (c) How many bananas are there? **4**
- (d) How many apples are there? **6**
- (e) How many mangoes are there? **8**
- (f) How many pears are there? **3**
- (g) Which fruit is the least in number? **Pear**
- (h) Which fruit is the maximum in number? **Orange**
- (i) What is the total number of fruits? **36**

2. Observe the given pictograph and answer the questions that follow :

Pencil	
Eraser	
Sharpener	
Book	





- (a) How many pencils are there? **9**
- (b) How many books are there? **4**
- (c) How many sharpeners are there? **7**
- (d) How many erasers are there? **5**
- (e) Which article is the least in number? **Book**

- (f) Which article is the maximum in number? **Pencil**
 (g) What is the total number of articles? **25**

Let Us Do

On a table, there are 4 pencils, 2 erasers, 5 books and 1 sharpener. Show this information through a pictograph.



Pencil	
Eraser	
Book	
Sharpener	

Let Us Do

1. Read the given chart and answer the following questions.

Favourite Subject	English	Mathematics	Music
Number of Students	12	28	15

- (a) How many students like Music? **15**
 (b) How many students like English? **12**
 (c) How many students like Mathematics? **28**
 (d) Which subject is liked by most of the students?

Mathematics

2. One day a doctor took the weight of his 6 patients and made the following chart to keep the record. Read the chart and answer the following questions.

Name	Shreya	Naveen	Seema	Pankaj	Aditi	John
Weight	46 kg	52 kg	39 kg	48 kg	41 kg	48 kg

- (a) Whose weight is the minimum? **Seema**
 (b) Whose weight is the maximum? **Naveen**

(c) Which two patients weighs the same?

Pankaj & John

(d) Whose weight is 41 kg?

Aditi

(e) What is the weight of Shreya?

46 kg

Learn with Fun







1. Today Ram is celebrating his 7th birthday. He invited his friends on the birthday party. All the children are wearing colourful dresses.



Look at the picture and complete the following table.


Colour of the dress	Number of children
Red	3
Green	1
Blue	2
Yellow	2
Orange	2






2. One day Sarita went to the market with her mother to buy fruits. Her mother bought some fruits from a vendor. Look at the picture and complete the following table.

Fruits	Number of fruits
	7
	8
	5
	4
	7
	5



Now, fill in the blanks.









(a) The vendor has 8  .









- (b) The vendor has **5**  .
- (c) The vendor has **7**  .
- (d) The vendor has **5**  .
- (e) There are **3**  more than  .



















Review Exercise









1. See the pattern and complete the series :

(a)        











(b)        











(c)        











(d)        














(e)        

2. Complete the following patterns by writing the name of missing object/things :

(a)          

(b)          

(c)          

(d)             













3. Complete the number pattern :

- (a) 50, 55, **60**, 65, 70, 75, **80**, 85, **90**, **95**, 100, **105**, 110.
- (b) 10, 20, **30**, **40**, 50, 60, **70**, 80, **90**, 100, **110**, 120, **130**.
- (c) 5, 10, 15, **20**, **25**, **30**, 35, 40, 45, **50**, **55**, **60**.
- (d) 1, 3, **5**, 7, **9**, 11, **13**, **15**, 17, 19, 21, **23**.

Warm-up Activity


What Colour Comes Next?


Look at the pattern carefully and colour the last shape.


	
	
	
	
	
	

Let Us Do

1. Complete the patterns.

















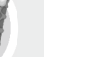



(a) 

(b) 

(c) 

Warm-up Activity

Tick the money left after each purchase.

 ₹ 20	     	 ₹ 24
 ₹ 72	         	 ₹ 13

Let Us Do

1. Write in words. One has been done for you.

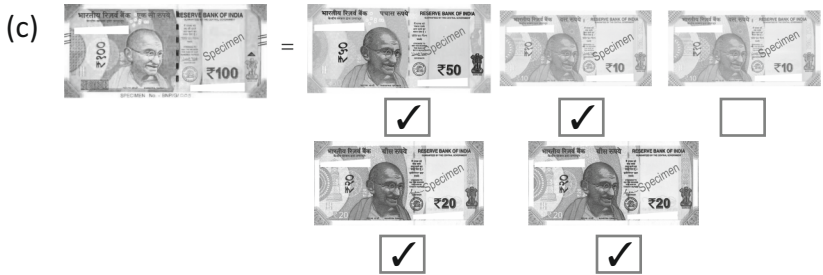
- | | |
|--------------|--|
| (a) ₹ 6.35 | Six rupees and thirty-five paise |
| (b) ₹ 9.80 | Nine rupees and eighty paise |
| (c) ₹ 10.00 | Ten rupees |
| (d) ₹ 500.60 | Five hundreds rupees and sixty paise |
| (e) ₹ 95.95 | Ninety-five rupees and ninety-five paise |

2. Write the figures. One has been done for you.

- | | |
|--|---------|
| (a) Thirteen rupees and eighty-five paise | ₹ 13.85 |
| (b) Fourteen rupees and seventy paise | ₹ 14.70 |
| (c) Seventy-seven rupees and sixty-three paise | ₹ 77.63 |
| (d) Five rupees and forty paise | ₹ 5.40 |
| (e) Thirty-six rupees and twenty paise | ₹ 36.20 |

3. Tick (✓) the correct boxes to change the money to equal amount.

- (a)  =     
-



Let Us Do

1. Look at the following notes and coins. Write the total amount in each case.



2. Find the total amount in each purchase as per given rates. One has been done for you.



₹ 8



₹ 25



₹140



₹7.50p



₹ 1



₹ 10



₹ 35



₹ 2.50 p



₹ 14



₹ 4



50 p



₹ 2.50 p

	₹	p
(a) Ball	140	00
Grapes	25	00
Balloon		50
Total ₹	165	50p

	₹	p
(b) Whistle	2	50
Cake	10	00
Pen	14	00
Total ₹	26	50

	₹	p
(c) Cake	10	00
Ice-cream	8	00
Pen	14	00
Total ₹	32	00

	₹	p
(d) Ice-cream	8	00
Pencil	2	50
Book	4	00
Total ₹	14	50

(e) Whistle	2	50
Ball	140	00
Apple	1	00
Total ₹	143	50

(f) Top	7	50
Pen	14	00
Teddy	35	00
Total ₹	56	50

Let Us Do

1. Add the following.

	₹	P
(a)	15	36
+	34	34
	49	70

₹ 49 p 70

	₹	P
(b)	36	75
+	2	10
	38	85

₹ 38 p 85

	₹	P
(c)	19	14
+	32	38
	51	52

₹ 51 p 52

	₹	P
(d)	17	46
+	81	19
	98	65

₹ 98 p 65

	₹	P
(e)	49	26
+	28	19
	77	45

₹ 77 p 45

	₹	P
(f)	54	46
+	21	29
	75	75

₹ 75 p 75

	₹	P
(g)	25	35
+	14	32
	39	67

₹ 39 p 67

	₹	P
(h)	10	80
+	25	15
	35	95

₹ 35 p 95

2. Add (in your notebook).

- | | |
|------------------------------------|----------|
| (a) ₹ 243.50 + ₹ 384.00 + ₹ 178.50 | ₹ 806.00 |
| (b) ₹ 355.50 + ₹ 286.00 + ₹ 89.00 | ₹ 730.50 |
| (c) ₹ 70.50 + ₹ 189.00 + ₹ 346.50 | ₹ 606.00 |
| (d) ₹ 214.00 + ₹ 367.00 + ₹ 345.50 | ₹ 926.50 |
| (e) ₹ 466.00 + ₹ 201.50 + ₹ 141.50 | ₹ 809.00 |

Let Us Do

1. Subtract the following :

- | (a) <table border="1" style="display: inline-table; vertical-align: middle;"><tr><th>₹</th><th>P</th></tr><tr><td>74</td><td>148</td></tr><tr><td>75.48</td><td></td></tr><tr><td>- 32.65</td><td></td></tr><tr><td>42.83</td><td></td></tr></table> | ₹ | P | 74 | 148 | 75.48 | | - 32.65 | | 42.83 | | (b) <table border="1" style="display: inline-table; vertical-align: middle;"><tr><th>₹</th><th>P</th></tr><tr><td></td><td></td></tr><tr><td>81.56</td><td></td></tr><tr><td>- 62.38</td><td></td></tr><tr><td>19.18</td><td></td></tr></table> | ₹ | P | | | 81.56 | | - 62.38 | | 19.18 | | (c) <table border="1" style="display: inline-table; vertical-align: middle;"><tr><th>₹</th><th>P</th></tr><tr><td></td><td></td></tr><tr><td>32.31</td><td></td></tr><tr><td>- 10.13</td><td></td></tr><tr><td>22.18</td><td></td></tr></table> | ₹ | P | | | 32.31 | | - 10.13 | | 22.18 | | (d) <table border="1" style="display: inline-table; vertical-align: middle;"><tr><th>₹</th><th>P</th></tr><tr><td>35</td><td>116</td></tr><tr><td>36.16</td><td></td></tr><tr><td>- 23.26</td><td></td></tr><tr><td>12.90</td><td></td></tr></table> | ₹ | P | 35 | 116 | 36.16 | | - 23.26 | | 12.90 | |
|--|-----------|-----------|-----------|-----|-------|--|---------|--|-------|--|--|---|---|----|-----|-------|--|---------|--|-------|--|--|---|---|----|-----|-------|--|---------|--|-------|--|--|---|---|----|-----|-------|--|---------|--|-------|--|
| ₹ | P | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 74 | 148 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75.48 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| - 32.65 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 42.83 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ₹ | P | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 81.56 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| - 62.38 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19.18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ₹ | P | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32.31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| - 10.13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22.18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ₹ | P | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35 | 116 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36.16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| - 23.26 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12.90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ₹ 42 p 83 | ₹ 19 p 18 | ₹ 22 p 18 | ₹ 12 p 90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (e) <table border="1" style="display: inline-table; vertical-align: middle;"><tr><th>₹</th><th>P</th></tr><tr><td>47</td><td>115</td></tr><tr><td>48.15</td><td></td></tr><tr><td>- 29.26</td><td></td></tr><tr><td>18.89</td><td></td></tr></table> | ₹ | P | 47 | 115 | 48.15 | | - 29.26 | | 18.89 | | (f) <table border="1" style="display: inline-table; vertical-align: middle;"><tr><th>₹</th><th>P</th></tr><tr><td>54</td><td>148</td></tr><tr><td>55.48</td><td></td></tr><tr><td>- 27.99</td><td></td></tr><tr><td>27.49</td><td></td></tr></table> | ₹ | P | 54 | 148 | 55.48 | | - 27.99 | | 27.49 | | (g) <table border="1" style="display: inline-table; vertical-align: middle;"><tr><th>₹</th><th>P</th></tr><tr><td>74</td><td>178</td></tr><tr><td>75.78</td><td></td></tr><tr><td>- 49.97</td><td></td></tr><tr><td>25.81</td><td></td></tr></table> | ₹ | P | 74 | 178 | 75.78 | | - 49.97 | | 25.81 | | (h) <table border="1" style="display: inline-table; vertical-align: middle;"><tr><th>₹</th><th>P</th></tr><tr><td></td><td></td></tr><tr><td>55.63</td><td></td></tr><tr><td>- 48.29</td><td></td></tr><tr><td>07.34</td><td></td></tr></table> | ₹ | P | | | 55.63 | | - 48.29 | | 07.34 | |
| ₹ | P | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 47 | 115 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 48.15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| - 29.26 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18.89 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ₹ | P | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 54 | 148 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55.48 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| - 27.99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27.49 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ₹ | P | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 74 | 178 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75.78 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| - 49.97 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25.81 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ₹ | P | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55.63 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| - 48.29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07.34 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ₹ 18 p 89 | ₹ 27 p 49 | ₹ 25 p 81 | ₹ 07 p 34 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (i) <table border="1" style="display: inline-table; vertical-align: middle;"><tr><th>₹</th><th>P</th></tr><tr><td>45</td><td>115</td></tr><tr><td>76.55</td><td></td></tr><tr><td>- 28.79</td><td></td></tr><tr><td>47.76</td><td></td></tr></table> | ₹ | P | 45 | 115 | 76.55 | | - 28.79 | | 47.76 | | (j) <table border="1" style="display: inline-table; vertical-align: middle;"><tr><th>₹</th><th>P</th></tr><tr><td>43</td><td>126</td></tr><tr><td>44.26</td><td></td></tr><tr><td>- 28.48</td><td></td></tr><tr><td>15.78</td><td></td></tr></table> | ₹ | P | 43 | 126 | 44.26 | | - 28.48 | | 15.78 | | (k) <table border="1" style="display: inline-table; vertical-align: middle;"><tr><th>₹</th><th>P</th></tr><tr><td></td><td></td></tr><tr><td>93.55</td><td></td></tr><tr><td>- 93.35</td><td></td></tr><tr><td>00.20</td><td></td></tr></table> | ₹ | P | | | 93.55 | | - 93.35 | | 00.20 | | (l) <table border="1" style="display: inline-table; vertical-align: middle;"><tr><th>₹</th><th>P</th></tr><tr><td></td><td></td></tr><tr><td>63.96</td><td></td></tr><tr><td>- 28.29</td><td></td></tr><tr><td>35.67</td><td></td></tr></table> | ₹ | P | | | 63.96 | | - 28.29 | | 35.67 | |
| ₹ | P | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 45 | 115 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 76.55 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| - 28.79 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 47.76 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ₹ | P | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 43 | 126 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 44.26 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| - 28.48 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15.78 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ₹ | P | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 93.55 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| - 93.35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 00.20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ₹ | P | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 63.96 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| - 28.29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35.67 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ₹ 47 p 76 | ₹ 15 p 78 | ₹ 00 p 20 | ₹ 35 p 67 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Answer

- | | |
|--|----------|
| 2. (a) From ₹ 838.00 take away ₹ 47.50 | ₹ 790.50 |
| (b) From ₹ 375.50 take away ₹ 187.00 | ₹ 188.50 |
| (c) Take away ₹ 313.50 from ₹ 816.50 | ₹ 503.00 |
| (d) Take away ₹ 168.00 from ₹ 631.50 | ₹ 463.50 |
| (e) Take away ₹ 700.50 from ₹ 837.50 | ₹ 137.00 |

Let Us Do

1. Cost of the bicycle = ₹ 380
Expenses on repairs = ₹ 182
Total cast (by adding) = ₹ 380 + ₹ 182 = ₹ 562
-
2. Rupess spent by vineeta
vegetable = ₹ 29
fruit = ₹ 35
Grocery = ₹ 52
Total spent money = ₹ 29 + ₹ 35 + ₹ 52
= ₹ 116
-
3. Cost of a basket of grapes = ₹ 245
Cost of a basket of apples = ₹ 345
Total cost of both the baskets = ₹ 245 + ₹ 345
= ₹ 590
-
4. Amount of money Rohan had = ₹ 500
Amount of money spent = ₹ 285
Amount of money left
(by Subtracting) = ₹ 500 - 285
= ₹ 215
-
5. Amount of money Harish's = ₹ 100
Amount of money Spent = ₹ 89
Amount of money left
(by Subtracting) = ₹ 100 - 89
= ₹ 11
-
6. Amount of money Vandana had = ₹ 95
Cost of the book = ₹ 65
Amount of money left
(by Subtracting) = ₹ 95 - 65 = ₹ 30
-
7. Cost of the radio = ₹ 600.50
Cost of the fan = ₹ 214.50
Cost of the tube light = ₹ 100.00
Total cost (by adding) = ₹ 915.00
- | | | |
|---|-----|-----|
| | ₹ | P |
| | 600 | .50 |
| | 214 | .50 |
| + | 100 | .00 |
| | 915 | .00 |

8. Cost of Book and notebooks = ₹ 265.50
 Money left with me = ₹ 155.00
 The total amount of money had = ₹ 265.50 + ₹ 155.00
 = ₹ 420.50
9. Total Amount of money = ₹ 50
 Cost of bread and butter = ₹ 28.50
 Money returned by shopkeeper = ₹ 50 – ₹ 28.50 = ₹ 21.50
10. Amount = ₹ 685

Currency =



Coins =



Learn with Fun

1. Tick (✓) the correct option :

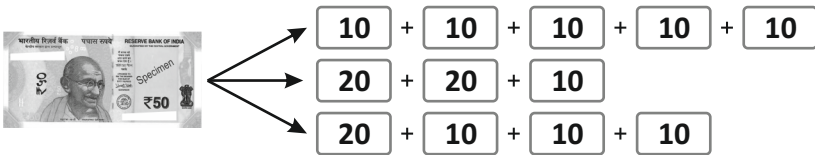
- (a) (i) (b) (ii) (c) (iii) (d) (i) (e) (ii)

2. Find the total amount of money in each case.

(a)  +  +  = ₹ 620.00

(b)  +  +  = ₹ 17.00

3. Fill in the boxes to form the different combinations of ₹ 50.

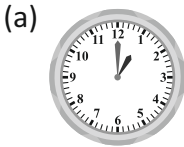


4. Think fast and tick (✓) the sums which make ₹ 50.

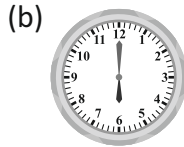
- (a) ₹ 45 + ₹ 10 (b) ₹ 100 – ₹ 50
 (c) ₹ 60 + ₹ 50 (d) ₹ 120 – ₹ 70

Review Exercise

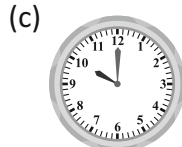
Write the correct time :



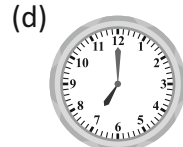
1 : 00 o' clock



6 : 00 o' clock



10 : 00 o' clock



7 : 00 o' clock

Warm-up Activity

Draw hands on the following clocks to show the time given below each of them.



3 : 00



9 : 23



1 : 20



11 : 12



1 : 00



11 : 09



10 : 15



11 : 00



2 : 00



6 : 30



4 : 20



5 : 10

Let Us Do

1. Look at the calendar at your home and answer the following questions.

(a) Is it a leap year? **Yes.**

- (b) How many months have 5 Sundays? **4 Months.**
- (c) What day is 26th January? **Friday.**
- (d) Write the date of the 3rd Monday in the month of June. **17**
- (e) Write the date, day and month, 10 days after 28th February **9, Saturday, March.**
- (f) How many Wednesdays are there in the month of May? Write the date also **5 Wednesdays, 1, 8, 15, 22, 29.**
- (g) The last day of the year is **Tuesday.**
- (h) 28th February is a **Wednesday.**
- (i) 10 days before 16th November is a **Wednesday.**
- (j) Do yourself

2. Write true or false (according to 2024 calendar).

- (a) The year is not a leap year. **False**
- (b) 21st April is a Friday. **False**
- (c) June has 5 Saturdays. **True**
- (d) The last day of August is Saturday. **True**
- (e) The 4th Sunday of October is Deepawali. **False**

3. Choose the correct word to complete the sentences.

- (a) It is **cold** in the month of December.
- (b) We wear cotton clothes in **Summer.**
- (c) Mangoes are available in the month of **June** and **July.**
- (d) We wear sweater in **cold** weather.
- (e) Holi is celebrated in **March.**

Let Us Do

1. Look at the clocks and write the time shown in the clocks below :

(a)



The short hand is near 4
The long hand is at 3
The time is 4 : 15 0' clock

(b)

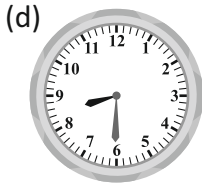


The short hand is at 2
The long hand is at 12
The time is 2 : 00 0' clock

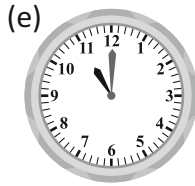
(c)



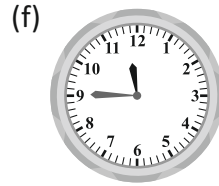
The short hand is between 10 and 11
The long hand is at 9
The time is 10 : 45 0' clock



The short hand is between 8 and 9
The long hand is at 6
The time is 8 : 30' o'clock

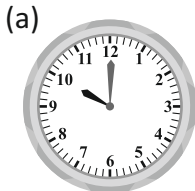


The short hand is at 11
The long hand is at 12
The time is 11 : 00' o'clock

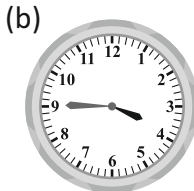


The short hand is between 11 and 12
The long hand is at 9
The time is 11 : 45' o'clock

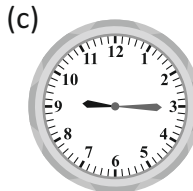
2. Write the time shown by each clock.



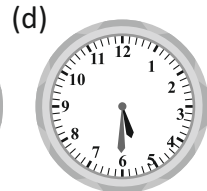
10 : 00



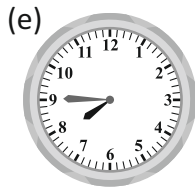
3 : 45



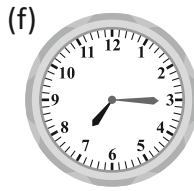
9 : 15



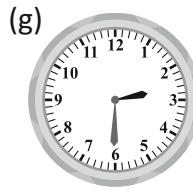
5 : 30



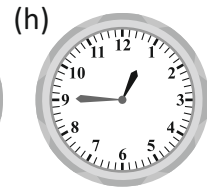
7 : 45



7 : 15

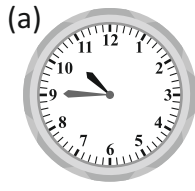


2 : 30

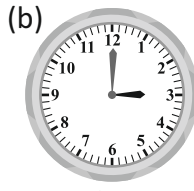


12 : 45

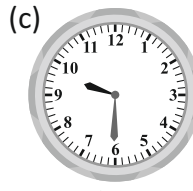
3. Draw the hand as per the time given below each clock.



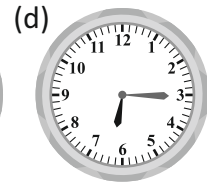
Quarter to 11



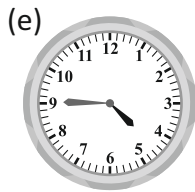
3 o'clock



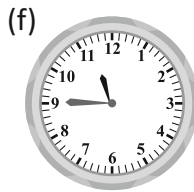
Half past 9



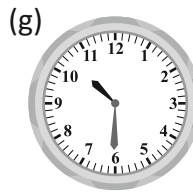
Quarter past 6



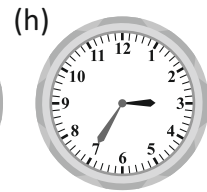
Quarter to 5



Quarter to 12



Half past 10



Quarter past 7

Let Us Do

How much time has passed? One has been done for you.

(a)



8 : 00



8 : 15

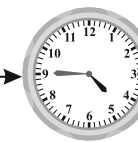
15

minutes

(b)



4 : 00



4 : 45

45

minutes

(c)



10 : 00



10 : 30

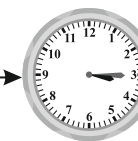
30

minutes

(d)



3 : 30



3 : 15

15

minutes

Learn with Fun

1. Write the time that is 10 minutes later than :

(a)



6 : 05

(b)



9 : 45

(c)



4 : 50

(d)



7 : 10

(e)



8 : 40

(f)



1 : 20

2. Write the time that is 20 minutes earlier than :

(a)



8 : 25

(b)

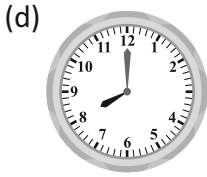


7 : 10

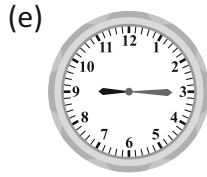
(c)



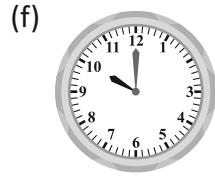
10 : 15



7 : 40



8 : 55



9 : 40

3. See the months in given calendar and answer these questions :

(a) What day is April 10? – **Wednesday**

(b) Which month has the more Mondays?

April

(c) What day is May 20? – **Monday**

(d) Which month has the more Wednesdays?

May

(e) What day is April 30? – **Tuesday**

(f) Name the day 6 days before April 15.

Tuesday

(g) Which month has 5 Sundays? – **not in any month**

(h) Name the day 8 days after May 11. – **Monday**

APRIL 2024

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

MAY 2024

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

Puzzles

A. Read the clues and solve the puzzles.

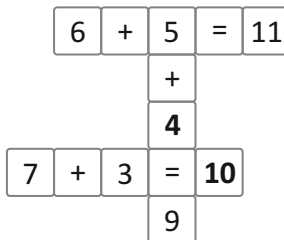
1. I am an even number. I am between 6 and 9. Who am I?

8

2. I am a number less than 10. If you add me to myself, you will find a number greater than 16. Who am I?

9

B. Complete the pattern.



C. Find the number.

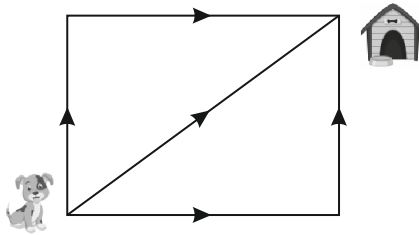
Do yourself.

D. Which square will you select to make a total of 50?










5	+	20	+	25	=	50
---	---	----	---	----	---	----

1	5	9	13
10	15	20	25

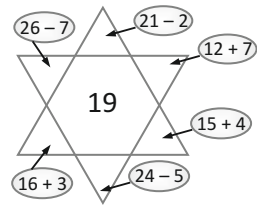
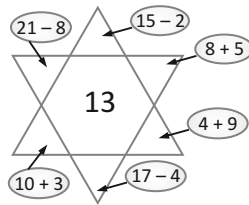
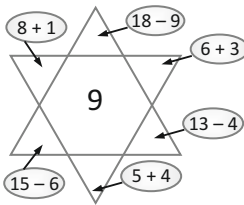
E. In how many different ways can the dog return to his house?
3 different ways



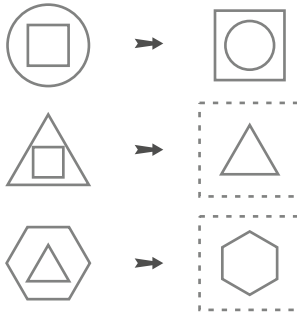
F.

	+		=	10		
	+		=	9		
	×		=	25		
	+		×		=	24

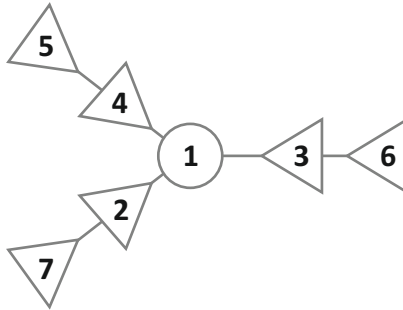
G. Complete these by using addition and subtraction of numbers.



H. Think and Complete.



I. How will you arrange the numbers 1 to 10 so that the three arms have the same total?



J. Six matchsticks are used to make a zero. Can you make any other number by shifting a single matchstick?

Do yourself

