Key to

LIGHT WEIGHT SERIES

Mathematics

Book - I to IV

STD - II

Teacher's Copy

CONTENTS

Part 1
Topic 1.1 : Let's Find the Shapes !

Classwork/Homework

1.

2.

Topic 1.2 : Let's Handle Geometric Shapes

Classwork/Homework

★1. Shapes   Names of shapes

- Cylinder
- Cuboid
- Cone
- Sphere

★3.

| | Edges - 12 | Edges - 2 | Edges - 1 | Edges - 0 |
| | Corners - 8 | Corners - 0 | Corners - 1 | Corners - 0 |

★4.

| S/R | R | R/S |

Topic 1.3 : Fun with Line

Classwork/Homework

1. [To be done by students.]

★2.   Horizontal line   Vertical line   Inclined line

★3. [To be done by students.]

Topic 1.4 : Let's Identify Geometrical Shapes

Classwork/Homework

1.   Shape   Names of the shape

- Rectangle
- Square
- Circle
- Triangle

2.

| Sides | 4 | | 3 | 4 |
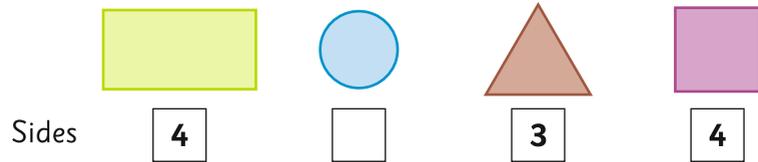
3. [To be done by students.]

Topic 1.5 : In the World of Numbers

Classwork/Homework

★1.

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	100

★2.
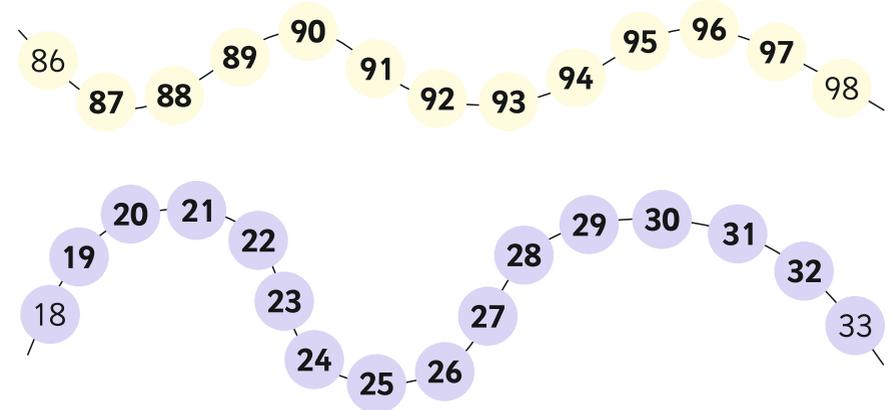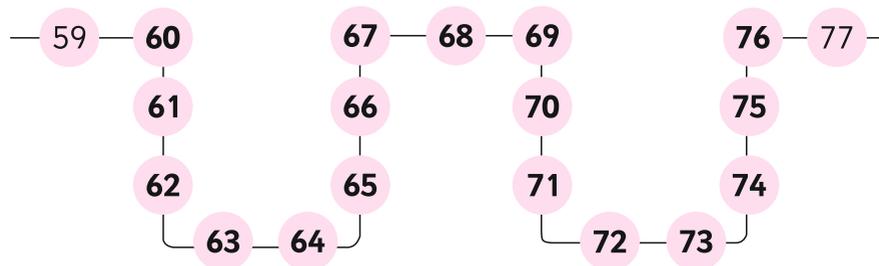
Activity

1.
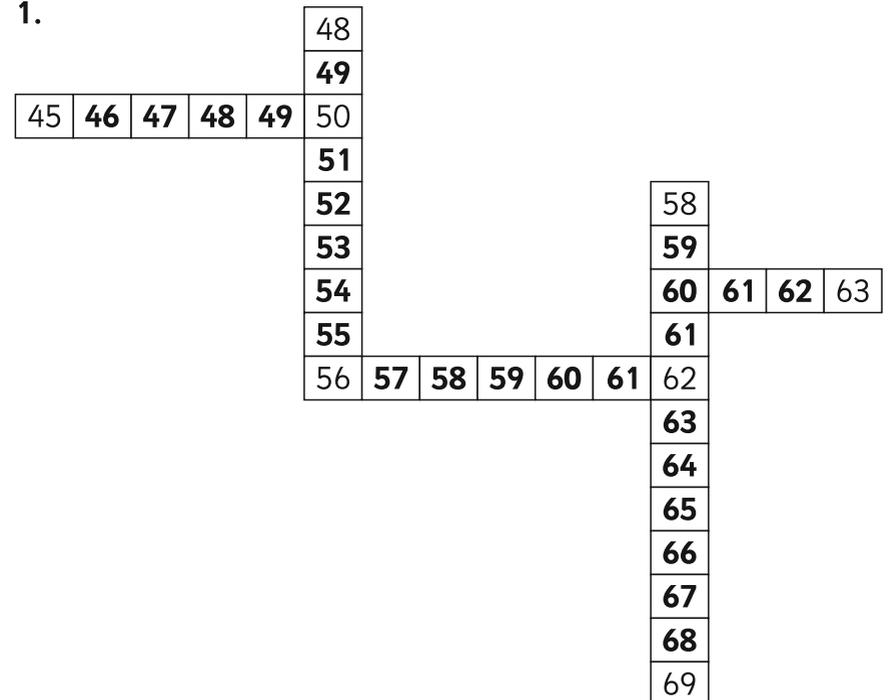
Topic 1.6 : Let's Read and Write in Words

Classwork/Homework

★1.

21 **Twenty - one**

48 **Forty - eight**

35 **Thirty - five**

18 **Eighteen**

37 **Thirty - seven**

40 **Forty**

29 **Twenty - nine**

16 **Sixteen**

44 **Forty - four**

32 **Thirty - two**

★2.

Fifty and three Fifty-three	Thirty and three Thirty-three	Twenty and six Twenty-six
53	33	26

Forty and six Forty-six	Sixty and six Sixty-six	Seventy and two Seventy-two
46	66	72

Eighty and six Eighty-six	Sixty	Ninety and four Ninety-four
86	60	94

Activity

1. (1) Sixty-seven   (2) Twenty   (3) Fifty-three
   (4) Eleven   (5) Seventy-four   (6) Ninety-nine

2.

Z	Y	S	I	X	T	Y	Q
P	R	E	F	N	O	S	T
N	U	V	B	I	E	R	W
Z	Y	E	I	J	K	L	E
H	U	N	D	R	E	D	N
F	X	T	Y	V	W	J	T
I	V	Y	U	T	G	W	Y
F	O	R	T	Y	S	H	K
T	W	C	D	O	J	R	X
Y	X	T	E	N	Q	U	Q
T	Y	N	I	N	E	T	Y

Topic 1.7 : Counting in Groups

Classwork/Homework

★1.   Sharad had 45 sticks

4 T   +   5 U   =   45

★2.
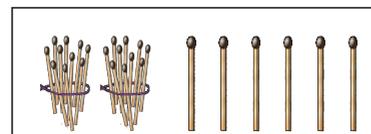
2 Tens + 6 Units = 26

4 Tens + 3 Units = 43

5 Tens + 6 Units = 56	5 Tens + 8 Units = 58
3 Tens + 4 Units = 34	4 Tens + 1 Units = 41
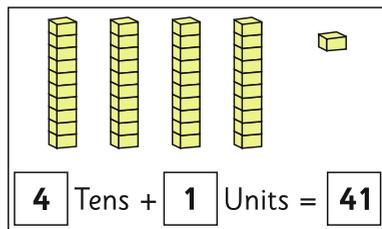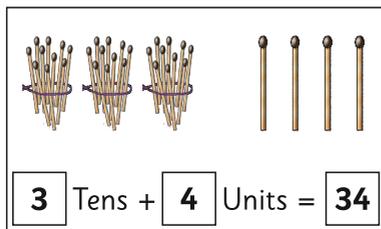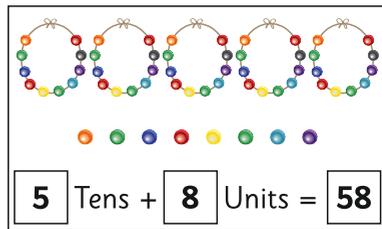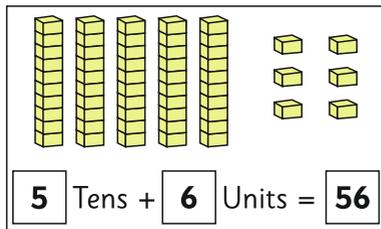
Topic 1.8 : Number given in a Picture

★1.

Tens	Units
1	4
Fourteen	

Tens	Units
2	8
Twenty-eight	

Tens	Units
4	7
Forty-seven	

★2.

Tens	Units
Twenty-six	

Tens	Units
Thirteen	

Tens	Units
Forty-five	

★3.

3	4

34

5	3

53

4	5
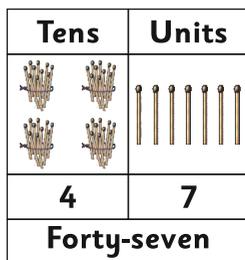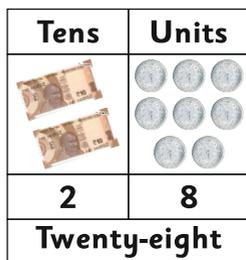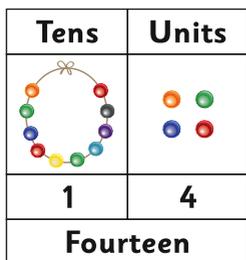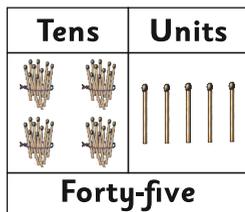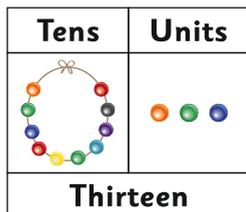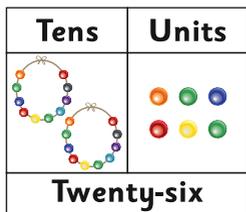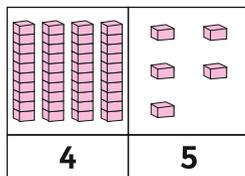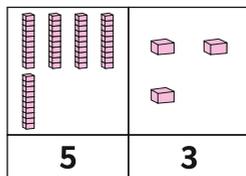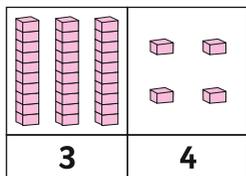
45

Topic 1.9 : What is the meaning of 'Place Value'?

★1.

Units	Tens	Units	Tens	Units	Tens	Units
6	2	6	4	2	3	4
6	20	6	40	2	30	4
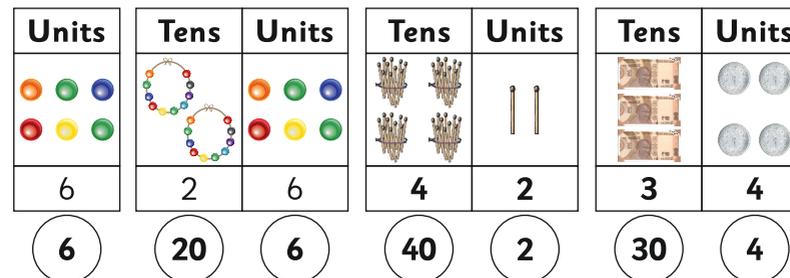
★2.

18	The place value of 1 is 10	as 1 is in the tens place.
23	The place value of 3 is 3	as 3 is in the units place.
65	The place value of 5 is 5	**as 5 is in the units place.**
72	The place value of 7 is 70	**as 7 is in the tens place.**
50	The place value of 0 is 0	**as 0 is in the units place.**
40	The place value of 4 is 40	**as 4 is in the tens place.**
88	The place value of 8 is 80	**as 8 is in the tens place.**
61	The place value of 6 is 60	**as 6 is in the tens place.**
88	The place value of 8 is 8	**as 8 is in the units place.**
16	The place value of 6 is 6	**as 6 is in the units place.**
37	The place value of 3 is 30	**as 3 is in the tens place.**

★3.

```
   38          41          60          95
 30   8      40   1      60   0      90   5

      49          14          83
    40   9      10   4      80   3
```
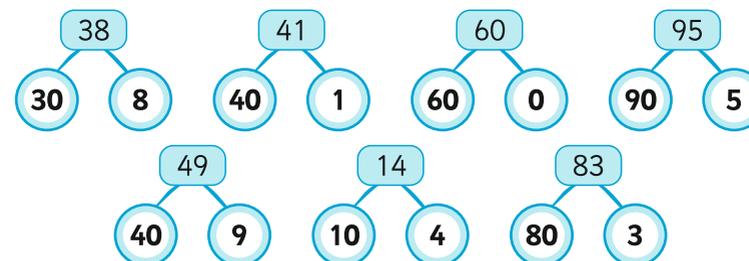
4.
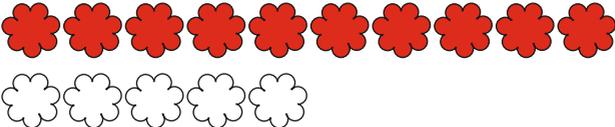
🌹🌹🌹🌹🌹🌹🌹🌹🌹🌹   10 and 5

❀❀❀❀❀   15
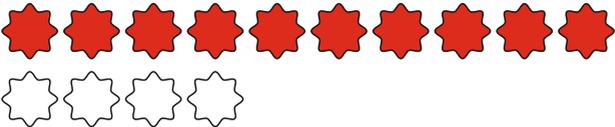
✦✦✦✦✦✦✦✦✦✦   10 and 4

✧✧✧✧   14

Topic 1.10 : The Expanded Form of a Number

Classwork/Homework

★1.

Number	Number in words	Expanded form
10 / 10 0	Ten	10 + 0
64 / 60 4	Sixty-four	60 + 4
17 / 10 7	Seventeen	10 + 7
49 / 40 9	Forty-nine	40 + 9
96 / 90 6	Ninety-six	90 + 6
58 / 50 8	Fifty-eight	8
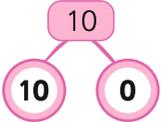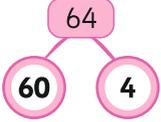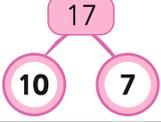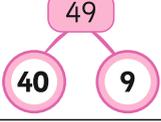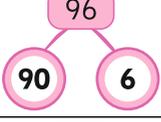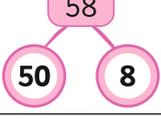
★2.

✦ **(a)** 10

(b) 50, 51, 52, 53, 54, 55, 56, 57, 58, 59

✦ **(a)** 9

(b) 10, 20, 30, 40, 50, 60, 70, 80, 90

★3.

16	48	54	77	82	91	69	23
units	tens	units	tens	units	tens	tens	units

★4.

70 + 8 = **78**   60 + 1 = **61**   50 + 4 = **54**

90 + 7 = **97**   80 + 0 = **80**   40 + 2 = **42**

★5.

11 / 10 1   52 / 50 2   98 / 90 8

76 / 7 Tens **6 Units**   **40** / 4 Tens 0 Units   87 / **8 Tens** 7 Units
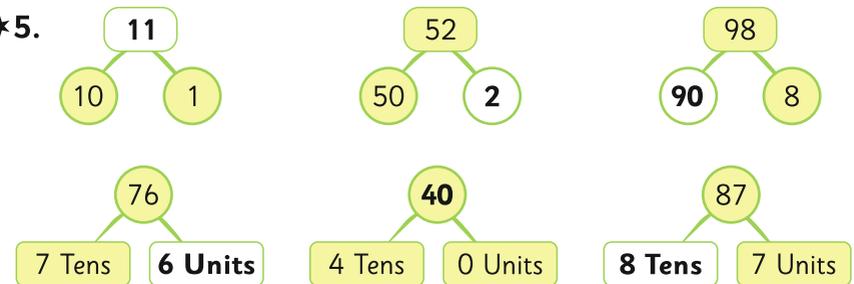
Topic 1.11 : Let's Count Numbers in Steps

Classwork/Homework

★1.

(4)—(9)—(14)—(19)—(24)

Steps of : | 6 |

(1)—(3)—(5)—(7)—(9)—(11)—(13)—(15)

Steps of : | 3 |

★2. 4

3.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18

(a) Steps of 2 : 4, | 6 |, | 8 |, | 10 |, | 12 |, | 14 |

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18

(b) Steps of 3 : 2, | 5 |, | 8 |, | 11 |, | 14 |, | 17 |

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18
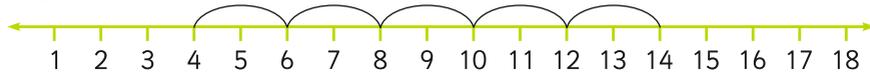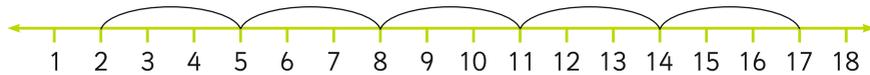
(c) Steps of 4 : 3, | 6 |, | 9 |, | 12 |
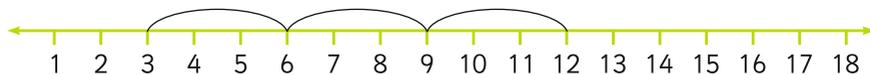
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18

(d) Steps of 5 : 1, | 2 |, | 3 |, | 4 |

Activity

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	(100)

Step count by 3   Step count by 4   Step count by 5

Step count by 3: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30

Step count by 4: 4, 8, 12, 16, 20, 24, 28, 32, 36, 40

Step count by 5: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50

Topic 1.12 : Fun with Addition

Classwork/Homework

1. ★(a) 4 + 1 = **5**   ★(b) 1 + 4 = **5**

   ★(c) 5 + 9 = **14**   ★(d) 9 + 5 = **14**

   ★(e) 3 + 7 = **10**   ★(f) 7 + 3 = **10**

   ★(g) 8 + 3 = **11**   ★(h) 3 + 8 = **11**

   ★(i) 8 + 4 = **12**   ★(j) 4 + 8 = **12**

   ★(k) 5 + 6 = **11**   ★(l) 6 + 5 = **11**

   ★(m) 0 + 3 = **3**   ★(n) 3 + 0 = **3**

   ★(o) 2 + 5 = **7**   ★(p) 5 + 2 = **7**

   ★(q) 3 + 2 = **5**   ★(r) 2 + 3 = **5**

   ★(s) 6 + 4 = **10**   ★(t) 4 + 6 = **10**

   ★(u) 1 + 9 = **10**   ★(v) 9 + 1 = **10**

2.

   10: **1** + 9   1 + **9**

   8: 6 + **2**   **2** + 6

   9: 7 + **2**   **2** + 7

   5: **1** + 4   4 + **1**

   11: 8 + **3**   **3** + 8

   16: 8 + **8**   **8** + 8

3.
   3 plus 2
   9 add 7
   6 more than 10
   5 plus 8
   2 more than 9
   7 add to 5
   4 plus 6

   2 + 9
   6 + 10
   4 + 6
   3 + 2
   5 + 8
   9 + 7
   5 + 7

Topic 1.13 : Addition-by Counting Forward

Classwork/Homework

1. ★(a) 25 + 3 = **28**   ★(b) 5 + 19 = **24**

   ★(c) 5 + 38 = **43**   ★(d) 4 + 23 = **27**

   (e) 7 + 42 = **49**   (f) 2 + 62 = **64**

   (g) 6 + 44 = **50**   (h) 3 + 28 = **31**

   (i) 76 + 4 = **80**   (j) 56 + 7 = **63**

★2.

   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

(a) What is given? Rama's and Yash's peanuts

	8	Rama's peanuts
+	7	Yash's peanuts
1	5	Total peanuts

What is asked? Total peanuts
What to do? Addition

(b) What is given? **Anand stickers**

2	7	**Anand has stickers**
+	5	**more stickers**
3	2	

What is asked? **Total stickers**
What to do? **Addition**

★(c)

1	2
+	5
1	7

1	5
+	4
1	9

6	2
+	3
6	5

5	4
+	8
6	2

4	1
+	9
5	0

2	3
+	6
2	9

(d) 27 + 8 = 35   8 + 6 = 14   67 + 3 = 70

7 + 9 = 16   54 + 9 = 63   49 + 2 = 51

Activity
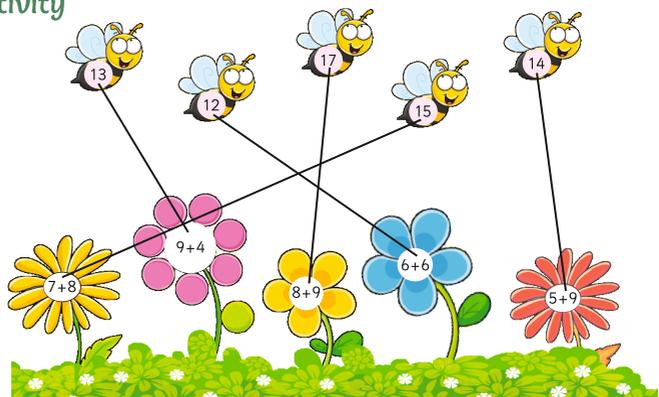
Topic 1.14 : Addition - Without Carry Over

Classwork/Homework

★1.

5 + 3	6 + 2	5 + 4	4 + 4	3 + 6
Units	Units	Units	Units	Units

Units
5
+ 3
8

Units
6
+ 2
8

Units
5
+ 4
9

Units
4
+ 4
8

Units
3
+ 6
9

★2.

Tens	Units
+	
3	5

Tens	Units
2	3
+ 1	2
3	5

2 Tens   3 Units
+ 1 Ten   2 Units
3 Tens   **5 Units**

3	Tens	**4**	Units
1	Tens	**3**	Units
4	Tens	**7**	Units
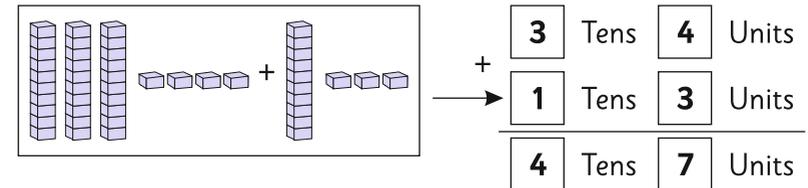
Add the following.

Tens	Units
2	3
+ 3	2
5	5

Tens	Units
2	4
+	3
2	7

Tens	Units
1	2
+ 3	6
4	8

Tens	Units
4	7
+ 4	1
8	8

★3.

T	U
1	2
+ 1	3
2	5

T	U
1	5
+ 1	2
2	7

T	U
2	4
+	5
2	9

T	U
1	6
+ 2	3
3	9

T	U
3	7
+	2
3	9

★4.

T	U
1	5
+ 2	1
3	6

T	U
1	2
+ 3	5
4	7

T	U
1	7
+ 2	2
3	9

T	U
3	3
+ 1	6
4	9

T	U
1	7
+ 3	2
4	9

T	U
2	3
+ 3	6
5	9

T	U
5	2
+ 2	0
7	2

T	U
1	8
+ 3	0
4	8

T	U
4	4
+ 1	4
5	8

T	U
6	1
+ 2	4
8	5

T	U
4	3
+ 2	5
6	8

T	U
6	4
+ 2	4
8	8

T	U
5	1
+ 3	6
8	7

T	U
6	2
+ 1	7
7	9

T	U
5	2
+ 3	4
8	6

5.

T	U
2	3
+ 1	4
3	7

T	U
6	2
+ 1	2
7	4

T	U
5	3
+ 1	4
6	7

T	U
2	6
+ 2	2
4	8

T	U
5	6
+ 2	3
7	9

Topic 1.15 : Addition and Subtraction of Zero

Classwork/Homework

★1.

$2 + 0 = 2$ $4 + 0 = 4$ $7 + 0 = 7$

$19 + 0 = 19$ $27 + 0 = 27$ $65 + 0 = 65$

$78 + 0 = 78$ $0 + 0 = 0$ $6 + 0 = 6$

$3 - 0 = 3$ $5 - 0 = 5$ $8 - 0 = 8$

$11 - 0 = 11$ $19 - 0 = 19$ $23 - 0 = 23$

$55 - 0 = 55$ $82 - 0 = 82$ $17 - 0 = 17$

2.

$5 + 0 = 5$ $22 - 0 = 22$

$50 + 0 = 50$ $88 - 0 = 88$

$96 + 0 = 96$ $57 - 0 = 57$

$11 + 0 = 11$ $49 - 0 = 49$

Topic 1.16 : Stories of Addition – 1

Classwork/Homework

★1.

(a) What is given? **Almond and guava trees**
    What is asked? **Total trees planted**
    What shall we do? **Addition**

	T	U	
	1	4	Almond trees
	+ 2	1	Guava trees
	3	5	Tree planted

(b) What is given? **Ravi and Neeta balloons**
    What is asked? **Total number of balloons**
    What shall we do? **Addition**

	T	U	
	1	5	Ravi balloons
	+ 2	1	Neeta balloons
	3	6	Total balloons

(c) What is given? **Number of dada rupees and aunt gave rupees**

What is asked? **Total rupees**

What shall we do? **Addition**

T	U	
1	5	Dada has
+ 2	0	More rupees
3	5	Total rupees

(d) What is given? **Number of books**

What is asked? **Total books**

What shall we do? **Addition**

T	U	
2	4	In cupboard
+ 1	2	More books
3	6	Total books

(e) What is given? **Number of boxes**

What is asked? **Total boxes**

What shall we do? **Addition**

T	U	
1	8	Boxes in house
+ 1	1	More boxes
2	9	Total boxes

(f) What is given? **Sajid and Shabana eggs**

What is asked? **Total eggs**

What shall we do? **Addition**

T	U	
2	4	Sajid
+ 3	2	Shabana
5	6	Total eggs

(g) What is given? **Maria and Mihir coins**

What is asked? **Total coins**

What shall we do? **Addition**

T	U	
3	0	Maria
+ 2	4	Mihir
5	4	Coins altogether

Topic 1.17 : Let's Reduce by Subtraction

Classwork/Homework

★**1. (a)**

$$\begin{array}{r} 8 \\ -\ 4 \\ \hline 4 \end{array}$$

There are $\boxed{4}$ more lanterns than the lamps.

(b)

$$\begin{array}{r} 11 \\ -\ 6 \\ \hline 5 \end{array}$$

There are $\boxed{5}$ fewer slates than the books.

(c)

$$\begin{array}{r} 8 \\ -\ 6 \\ \hline 2 \end{array}$$

There are $\boxed{2}$ more strawberries than pomegranates.

2. (a)

0 1 2 3 4 5 6 7 8 9 10 11 12

$12 - 5 = \boxed{7}$

(b)

21 22 23 24 25 26 27 28 29 30 31 32

$30 - 6 = \boxed{24}$

(c)

41 42 43 44 45 46 47 48 49 50

$48 - 7 = \boxed{41}$

(d)

60 61 62 63 64 65 66 67 68 69 70

$66 - 6 = \boxed{60}$

3. **(a)**

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14

$12 - 7 = \boxed{5}$

(b)

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14

$10 - 4 = \boxed{6}$

(c)

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

$15 - 6 = \boxed{9}$
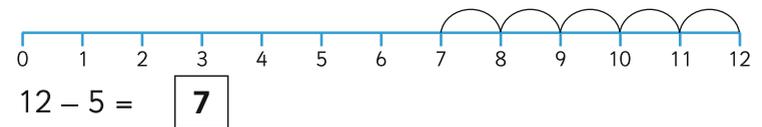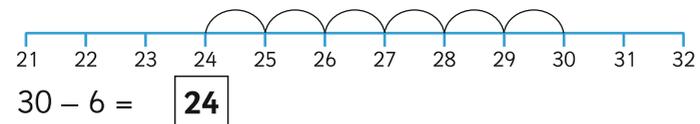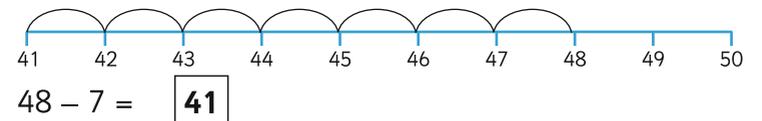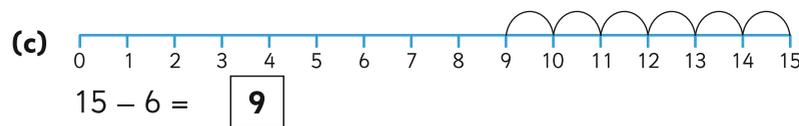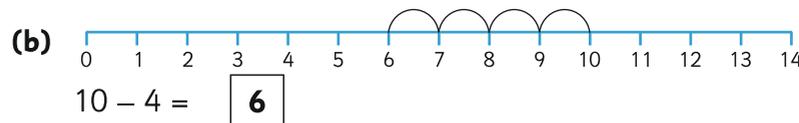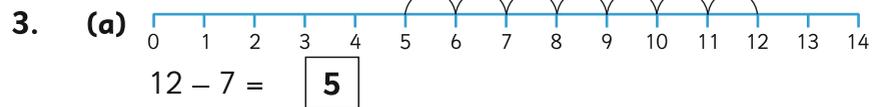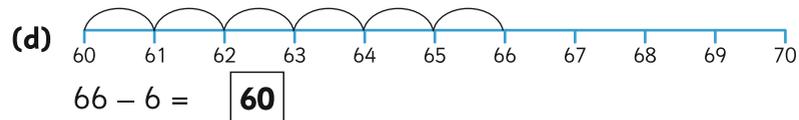
✶4. (a) $\boxed{12} - \boxed{8} = \boxed{4}$ **(b)** $\boxed{32} - \boxed{1} = \boxed{31}$

(c) $\boxed{15} - \boxed{10} = \boxed{5}$ **(d)** $\boxed{43} - \boxed{2} = \boxed{41}$

(e) $\boxed{13} - \boxed{11} = \boxed{2}$ **(f)** $\boxed{39} - \boxed{3} = \boxed{36}$

(g) $\boxed{20} - \boxed{18} = \boxed{2}$ **(h)** $\boxed{44} - \boxed{40} = \boxed{4}$

(i) $\boxed{11} - \boxed{2} = \boxed{9}$ **(j)** $\boxed{15} - \boxed{4} = \boxed{11}$

Topic 1.18 : Addition and Subtraction – A Pair

Classwork/Homework

1.
✶(b)

84 — 50 — 34

$34 + \boxed{50} = \boxed{84}$

$84 - \boxed{50} = \boxed{34}$

$\boxed{84} - \boxed{34} = \boxed{50}$

(c)

40 — 20 — 20

$20 + 20 = 40$

$40 - \boxed{20} = 20$

$40 - \boxed{20} = \boxed{20}$

✶(d)

75 — 25 — 50

$50 + 25 = 75$

$75 - 25 = 50$

$75 - \boxed{50} = \boxed{25}$

(e)

93 — 71 — 22

$22 + 71 = 93$

$93 - 71 = 22$

$93 - \boxed{22} = \boxed{71}$

2. **✶(a)** What is given ? **Seeds**
What is asked? **Chikoo seeds**

$\boxed{30} - \boxed{22} = \boxed{8}$

$\boxed{22} + \boxed{8} = \boxed{30}$ therefore, $\boxed{30} - \boxed{22} = \boxed{8}$

(b) What is given ? **Flowers**
What is asked? **Roses**

$\boxed{48} - \boxed{8} = \boxed{40}$

$\boxed{40} + \boxed{8} = \boxed{48}$ therefore, $\boxed{48} - \boxed{40} = \boxed{8}$

(c) What is given ? **Garments**
What is asked? **Pants**

$\boxed{79} - \boxed{7} = \boxed{72}$

$\boxed{72} + \boxed{7} = \boxed{79}$ therefore, $\boxed{79} - \boxed{72} = \boxed{7}$

3.

✶(a) $8 + \boxed{9} = 17$ therefore, $\boxed{17} - 9 = 8$ and $17 - 8 = \boxed{9}$

✶(b) $29 + \boxed{3} = 32$ therefore, $\boxed{32} - 3 = 29$ and $32 - 29 = \boxed{3}$

✶(c) $42 + \boxed{7} = 49$ therefore, $\boxed{49} - 7 = 42$ and $49 - 42 = \boxed{7}$

(d) $78 +$ [**3**] $= 81$ therefore, [**81**] $- 3 = 78$ and $81 - 78 =$ [**3**]

(e) $7 +$ [**7**] $= 53$ therefore, [**53**] $- 7 = 46$ and $53 - 46 =$ [**7**]

Topic 1.19 : A Subtraction Story

Classwork/Homework

1. **✱(a)**
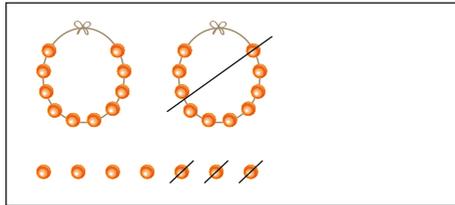
T	U
2	7
− 1	3
1	**4**

✱(b)
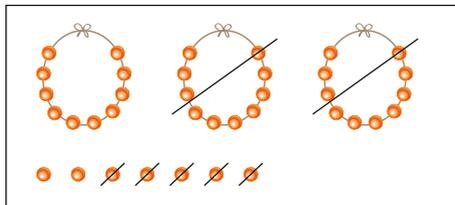
T	U
3	7
− 2	5
1	**2**

✱(c)
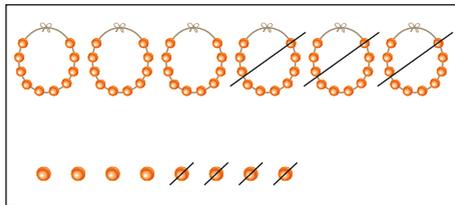
T	U
6	8
− 3	4
3	**4**

✱(d)
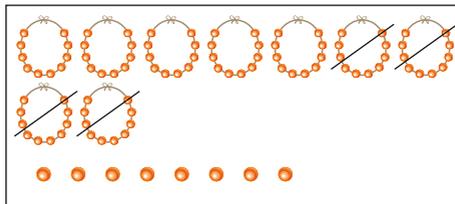
T	U
9	8
− 4	0
5	**8**

(e)
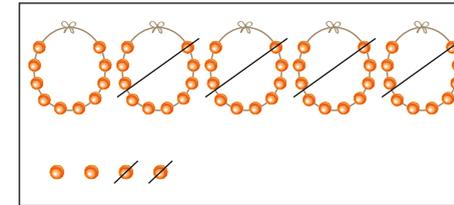
T	U
5	4
− 4	2
1	**2**

(f)
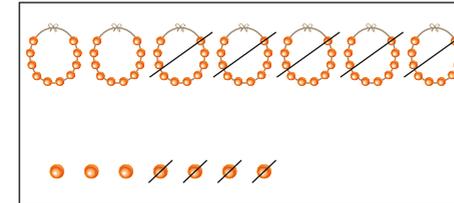
T	U
7	7
− 5	4
2	**3**

2. **✱(a)**

Tens	Units	
2	8	Books read by Anand
− 1	4	Books read by Sagar
1	**4**	More books read by Anand

✱(b)

Tens	Units	
4	6	Sudhir had
− 1	2	Sudhir lost
3	**4**	Sudhir has

✱(c)

Tens	Units	
5	8	Periwinkle flowers
− 3	2	Hibiscus flowers
2	**6**	Hibiscus flowers less

✱(d)

Tens	Units	
2	9	Total bananas
− 1	6	Bananas in the basket
1	**3**	Bananas added

(e)

Tens	Units	
7	2	Fish in a lake
− 4	0	Fish swam
3	2	Fish left

(f)

Tens	Units	
2	7	Cars Dhruv had
− 1	2	Gave brother
1	5	Cars left

Topic 1.20 : Twelve Months in a Year

Classwork/Homework

1. ✶**(a)** April, June, September, November.

   ✶**(b)** 7 months of 31 days.

   ✶**(c)** February has 28 or 29 days.

   ✶**(d)** May comes before June.

   ✶**(e)** December is before January.

   (f) September is after August.

   (g) August is before July.

2.

Before	Months	After
July	August	September
March	April	May
January	February	March
October	November	December
February	March	April
June	July	August

✶**3.** Varsha, Sharad, Hemant, Shishir

✶**4.** Jyeshtha, Ashadh, Shravan

✶ 20th December

12th and 13th December

Christmas

Part 2
Topic 2.1 : Comparing Numbers

Classwork/Homework

1. ✶(a)

| ③, 8 | ①, 9 | ②, 20 |

| ④, 6 | 10, ⑫ | 16, ⑧ |

✶(b)

| 4, ⑦ | 2, ⑦ | 8, ⑨ |

| 5, ⑥ | 7, ⑨ | ⑤, 3 |

2. (b) 7 > 3   **7 is greater than 3**

(c) 1 < 9   **1 is less than 9**

(d) 9 > 1   **9 is greater than 7**

(e) 20 > 2   **20 is greater than 2**

(f) 2 < 20   **2 is less than 20**

✶(3)

43, 46	84, 86	67, 57
43 < 46	**84 < 86**	**67 > 57**
30, 50	13, 9	23, 32
30 < 50	**13 > 9**	**23 < 32**
99, 89	68, 59	60, 76
99 > 89	**68 > 59**	**60 < 76**

Topic 2.2 : Neighbouring Numbers on Each Side

Classwork/Homework

✶1.

53	54	55		78	79	80		39	40	41
36	37	38		61	62	63		98	99	100
49	50	51		77	78	79		31	32	33
38	39	40		29	30	31		67	68	69

Activity

1.

39	40	41	42	43	44	45
76	77	78	79	80	81	82
62	63	64	65	66	67	68

✶2.

51		66		81	82
52	53	**67**	68		83
	54		69	**84**	85
55	**56**	70	**71**		86
	57		72	87	**88**
58	59	**73**	74		89
	60		75	**90**	91
61	**62**	76	**77**		92
	63		78	93	**94**
64	**65**	**79**	80		95

Topic 2.3 : Ascending and Descending Order of Numbers

Classwork/Homework

1. ✶(a) 12, 25, 54   ✶(b) 9, 32, 67

    ✶(c) 30, 44, 92   (d) 62, 71, 80

    (e) 24, 38, 61   (f) 29, 56, 72

✶2.

No.	Ascending Order	Descending Order
✶(b)	50 < 62 < 85	85 > 62 > 50
✶(c)	9 < 13 < 32	32 > 13 > 9
✶(d)	43 < 60 < 76 < 89	89 > 76 > 60 > 43
✶(e)	9 < 15 < 52 < 75	75 > 52 > 15 > 9
(f)	7 < 34 < 67 < 98	98 > 67 > 34 > 7
(g)	14 < 23 < 71 < 87	87 > 71 > 23 > 14
(h)	12 < 25 < 36 < 51	51 > 36 > 25 > 12

Activity

1.

	58	71	63	46	25
Ascending	25	46	58	63	71
Descending	71	63	58	46	25

	99	76	59	69	49
Ascending	49	59	69	76	99
Descending	99	76	69	59	49

	25	40	20	45	35
Ascending	20	25	35	40	45
Descending	45	40	35	25	20

Topic 2.4 : Come, Let's Make Numbers

Classwork/Homework

✶

Digits 7 8 Numbers 78 87

Digits 1 3 Numbers 13 31

Digits 7 5 Numbers 75 57

Digits 6 4 Numbers 64 46

Digits 3 8 Numbers 38 83

Digits 4 9 Numbers 49 94

Digits 9 2 Numbers 92 29

Digits 3 9 Numbers 39 93
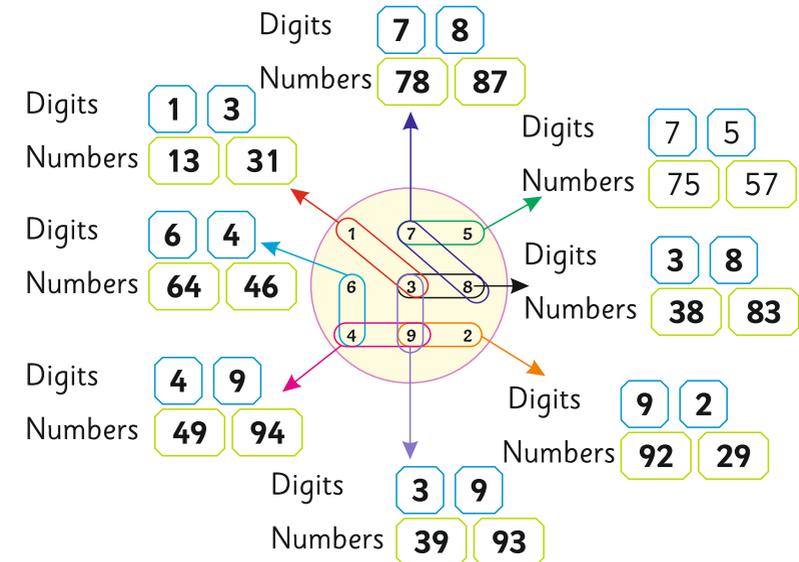
Activity

✶1.
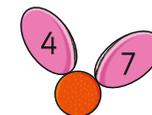
Numbers made: 47, 74
Greatest number 74   Smallest number 47

Numbers made: 58, 85
Greatest number 85   Smallest number 58

Numbers made: 23, 28, 32, 38, 83, 82
Greatest number 83   Smallest number 23
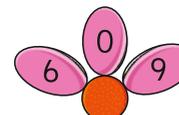
Numbers made: 60, 69, 90, 96
Greatest number 96   Smallest number 60

2.

4, 6 → 46, 64	1, 5 → 15, 51
7, 3 → 37, 73	9, 5 → 95, 59
2, 3 → 23, 32	3, 1 → 31, 13
8, 9 → 89, 98	8, 4 → 84, 48
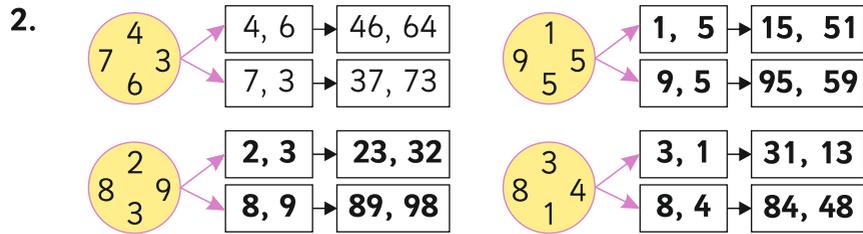
Topic 2.5 : Cardinal numbers Ordinal numbers

Classwork/Homework

✶1. **(a)** 5 **(b)** 5th **(c)** Nikhil **(d)** Shail

✶2. **(a)** 3rd **(b)** rat **(c)** 2nd **(d)** Tiger

 (e) 4th **(f)** 4th & 6th **(g)** 6

✶3. **(a)** rose **(b)** 4th **(c)** 5

4. **(a)** First **(b)** seventh **(c)** seventh **(d)** second
 (e) sixth, fifth **(f)** third, eight

✶5. **(a)** May **(b)** Kartik

✶6. **(a)** 1 **(b)** 4 **(c)** 3

Activity
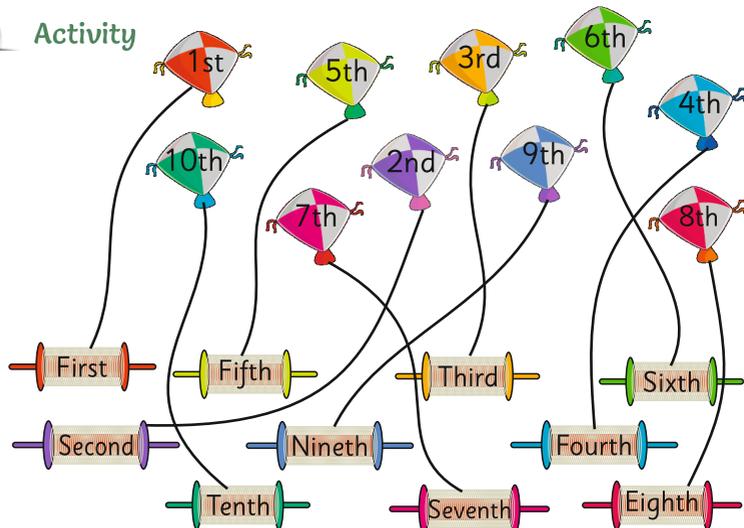
Topic 2.6 : Reading Pictures

Oral

1. [To be done by students.]

Classwork/Homework

✶1. **(a)** 4 **(b)** 2 **(c)** apple, banana, pineapple, mango
 (d) potato, onion, brinjal, lady finger, methi
 (e) 3 **(f)** 2 **(g)** 3

✶2.

| 1 | 2 | 5 | 1 | 2 |

 (a) car, auto rickshaw and motor bike
 (b) bus, motor bike, car, auto rickshaw, bicycle
 (c) bus, car, motor bikes and auto ricksha **(d)** cars.

3. **(a)** 2 **(b)** 3 **(c)** 2 **(d)** 3

Topic 2.7 : A Special Way to Add by Carrying Over

Classwork/Homework

✶1. **(a)**

T	U
	9
+	6
1	5

(b)

T	U
	6
+	5
1	1

(c)

T	U
	7
+	4
1	1

(d)

T	U
	6
+	6
1	2

(e)

T	U
	4
+	9
1	3

(f)

T	U
	8
+	6
1	4

(g)

T	U
	5
+	5
1	0

(h)

T	U
	5
+	7
1	2

⋆2.

T	U
2	0
+ 1	6
3	6

T	U
1	7
+ 3	0
4	7

T	U
1	3
+ 4	0
5	3

T	U
1	5
+ 5	0
6	5

T	U
4	0
+ 2	0
6	0

T	U
3	3
+ 2	0
5	3

T	U
5	4
+ 1	0
6	4

T	U
6	9
+ 1	0
7	9

⋆3.

T	U
1	2
+ 2	6
3	8

T	U
1	
2	5
+ 3	7
6	2

⋆4.

T	U
1	
3	6
+ 2	5
6	1

T	U
1	
3	2
+ 2	8
6	0

T	U
1	
4	7
+ 0	5
5	2

T	U
1	
6	8
+ 2	2
9	0

T	U
1	
7	1
+ 1	9
9	0

T	U
1	
2	5
+ 3	7
6	2

T	U
1	
3	5
+ 2	9
6	4

T	U
1	
4	2
+ 1	9
6	1

T	U
1	
4	4
+ 4	8
9	2

T	U
1	
3	8
+ 1	4
5	2

T	U
1	
2	7
+ 3	4
6	1

T	U
1	
4	4
+ 2	7
7	1

T	U
1	
4	9
+	3
5	2

T	U
1	
5	5
+	8
6	3

T	U
1	
6	9
+	9
7	8

T	U
1	
6	3
+ 2	8
9	1

T	U
1	
6	5
+ 2	6
9	1

T	U
1	
4	6
+ 4	6
9	2

T	U
1	
7	9
+ 1	6
9	5

T	U
1	
5	8
+ 2	9
8	7

Topic 2.8 : Stories of Addition - 2

Classwork/Homework

⋆1. (a)

T	U	
1		
2	4	Cows
+ 2	8	buffaloes
5	2	Total cattles

*(b)

T	U	
1		
3	4	Salma stitched handkerchiefs yesterday
+ 3	8	Salma stitches today
7	2	Total handkerchiefs

*(c)

T	U	
1		
2	5	Wasim had
+ 1	3	Wasim won
3	8	Total Wasim has

*(d)

T	U	
1		
3	5	Shopkeeper had kites
+ 1	9	Shopkeeper bought kites
5	4	Total kites

(e)

T	U	
1		
7	6	Pages Sagar read
+ 1	4	Pages Sagar will read
9	0	Total pages read

★2. (a) A basket had 22 apples and another basket had 37 mangoes. How many fruits were there in all?

T	U	
1		
2	2	Apples
+ 3	7	Mangoes
5	9	Total fruits

(b) Ram had 34 red marbles and Shyam had 28 blue marbles. How many marbles did they have in all?

T	U	
1		
3	4	Red marbles
+ 2	8	Blue marbles
6	2	Total marbles

(c) In a garden there are 30 rose plants and 19 lilly plants,. How many plants are there in all?

T	U	
1		
3	0	Rose plants
+ 1	9	Lilly plants
4	9	Total plants

(d) In a game of cricket Rajesh made 26 runs and Ajay made 34 runs. How many runs in total they made?

T	U	
1		
2	6	Rajesh runs
+ 3	4	Ajay runs
		Total runs
6	0	

(e) A school library had 59 story books and 29 G.K books. How many books were there in the library?

T	U	
1		
5	9	Story books
+ 2	9	G.K books
		Total books
8	8	

(f) In class 2 they are 49 boys and 28 girls. How many students are there in class 2?

T	U	
1		
4	9	Boys
+ 2	8	Girls
		Total students
7	7	

3. ✳(a) $6 + 10 = 16$ ✳(b) $29 + 30 = 59$

✳(c) $77 + 20 = 97$ ✳(d) $18 + 20 = 38$

✳(e) $62 + 10 = 72$ ✳(f) $84 + 10 = 94$

(g) $20 + 10 = 30$ (h) $48 + 40 = 88$

4. ✳(a) $15 - 10 = 5$ ✳(b) $34 - 20 = 14$

✳(c) $67 - 20 = 47$ ✳(d) $26 - 10 = 16$

✳(e) $53 - 10 = 43$ ✳(f) $92 - 30 = 62$

(g) $76 - 20 = 56$ (h) $38 - 10 = 28$

Activity

4, 14, 24, 34, 44, 54, 64, 74, 84

100, 90, 80, 70, 60, 50, 40, 30, 20, 10
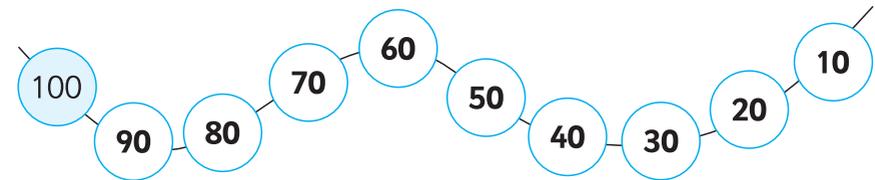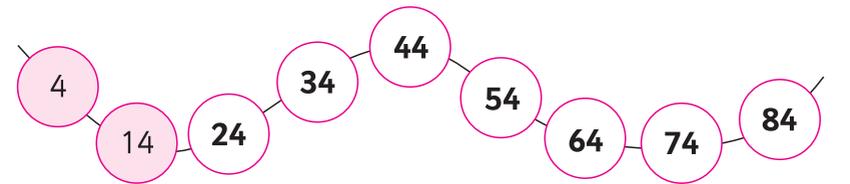
Topic 2.9 : Let's Untie a Ten in order to Subtract

Classwork/Homework

✶1. (a) $22 - 7 = \boxed{15}$ **(b)** $30 - 9 = \boxed{21}$ **(c)** $63 - 6 = \boxed{57}$

Tens	Units
1	12
−	7
1	5

$\boxed{22 - 7 = 15}$

Tens	Units
2	10
−	9
2	1

$\boxed{30 - 9 = 21}$

Tens	Units
5	13
−	6
5	7

$\boxed{63 - 6 = 57}$

(d) $23 - 5 = \boxed{18}$ **(e)** $25 - 8 = \boxed{17}$ **(f)** $37 - 9 = \boxed{28}$

Tens	Units
1	13
−	5
1	8

$\boxed{23 - 5 = 18}$

Tens	Units
1	15
−	8
1	7

$\boxed{25 - 8 = 17}$

Tens	Units
2	17
−	9
2	8

$\boxed{37 - 9 = 28}$

2. ✶(a)

Tens	Units
3	10
4̶	0̶
− 1	1
2	9

✶(b)

Tens	Units
5	17
6̶	7̶
− 2	9
3	8

✶(c)

Tens	Units
8	12
9̶	2̶
− 5	3
3	9

(d)

Tens	Units
2	16
3̶	6̶
− 1	9
1	7

(e)

Tens	Units
3	12
4̶	2̶
− 3	6
0	6

(f)

Tens	Units
5	10
6̶	0̶
− 2	8
3	2

3. ✶(a) $17 - 9 = \boxed{8}$ **✶(b)** $30 - 12 = \boxed{18}$ **✶(c)** $51 - 18 = \boxed{33}$

Tens	Units
0	17
1̶	7̶
−	9
	8

Tens	Units
2	10
3̶	0̶
− 1	2
1	8

Tens	Units
4	11
5̶	1̶
− 1	8
3	3

✶(d) $46 - 17 = \boxed{29}$ **✶(e)** $83 - 59 = \boxed{24}$ **✶(f)** $74 - 25 = \boxed{49}$

Tens	Units
3	16
4̶	6̶
− 1	7
2	9

Tens	Units
7	13
8̶	3̶
− 5	9
2	4

Tens	Units
6	14
7̶	4̶
− 2	5
4	9

(g) $60 - 19 = \boxed{41}$ **(h)** $56 - 28 = \boxed{28}$ **(i)** $42 - 16 = \boxed{26}$

Tens	Units
5	10
6̶	0̶
− 1	9
4	1

Tens	Units
4	16
5̶	6̶
− 2	8
2	8

Tens	Units
3	12
4̶	2̶
− 1	6
2	6

★ 4. (a)

T	U	
6	10	
7̶	0̶	Total counters
− 4	2	Green counters
2	8	Red counters

(b)

T	U	
8	12	
9̶	2̶	Beads Swara had
− 5	9	Beads given to 59
3	3	Beads Swara has

(c)

T	U	
5	17	
6̶	7̶	Total karanji
− 4	8	Anarasas
1	9	Less Anarasas

(d)

T	U	
7	11	
8̶	1̶	Total students
− 7	8	Took part
0	3	Not taken part

Activity

1. (a) Geeta has 43 sweets, she gave Reeta 19 sweets. How many sweets were left with Geeta?

T	U	
3	13	
4̶	3̶	Geeta had
− 1	9	Gave Reeta
2	4	Geeta has

(b) In a basket there were 26 mangoes. 17 mangoes got spoiled. How many mangoes are left.

T	U	
1	16	
2̶	6̶	Mangoes
− 1	7	Spoiled mangoes
0	9	Mangoes left

BOOK - IV

Topic 2.10 : Do you know Notes and Coins?

Classwork/Homework

★ **1. (a)**

| 1 | 2 | 2 | 5 | 20 | 20 | 50 |
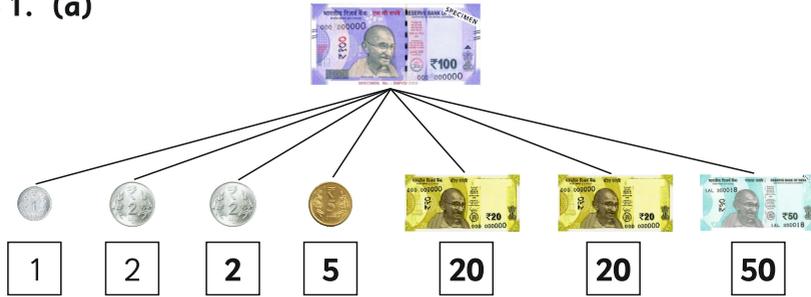
(b)
(i) Two ₹ 50 note

(ii) Five ₹ 20 note

(iii) One ₹ 50 note
Two ₹ 20 note
Two ₹ 5 coin

2.

₹ 1	₹ 2	₹ 5
₹ 10	₹ 20	₹ 50
₹ 100	₹ 200	₹ 500

★ **3. (a)** 85 **(b)** 70 **(c)** 21 **(d)** 34

(e) 1 teddy bear and 2 biscuits

After buying the things how much money will you put into the box?

100 rupees

---

4. (a) [coin] + [coin] + [₹20 note] = ₹ 35

(b) [₹50] + [₹100] + [₹50] = ₹ 200

(c) [₹5 coin] + [₹5 coin] + [₹2 coin] = ₹ 12

Topic 2.11 : Let's Measure Length

Classwork/Homework

1. [To be done by students.]

★ **2.**

| 2 Sticks | 3 Sticks | 4 Sticks | 5 Sticks |
| ☐ | ☐ | ▇ | ☐ |
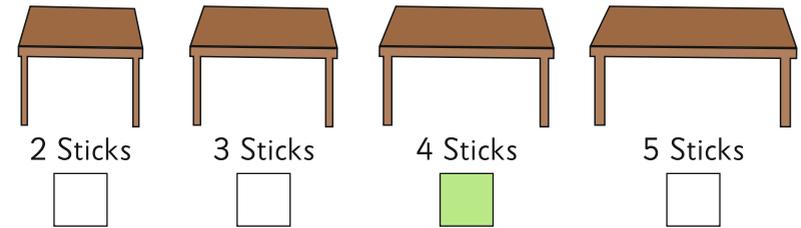
3. **(a)** 6 **(b)** 2 **(c)** 7 **(d)** 4

Activity

1.
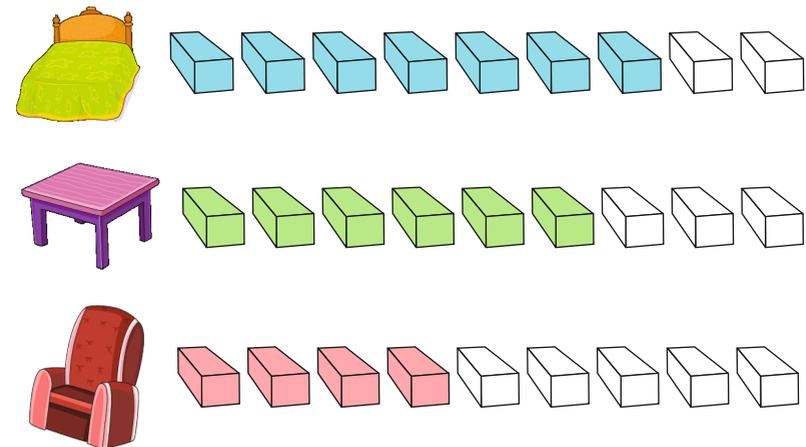
Topic 2.12 : Let's Weigh

1. ✶**(a)**

☐   ▭(orange)

✶**(b)**

☐   ▭(orange)

(c)

▭(orange)   ☐

(d)

▭(orange)   ☐

✶**2.** beam scale / weighing scale

✶**3.**
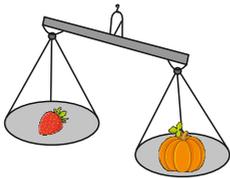
Heavier -	**Pumpkin**	Heavier -	**Brinjal**
Lighter -	**Strawberry**	Lighter -	**Book**

4.

Vegetable vendor	✓
Cobbler	
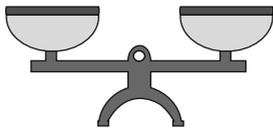
Grocery store	✓
Saloon	

Mall	✓
Tea stall	

5. **(a)** 4   **(b)** 4   **(c)** 6   **(d)** 2

Topic 2.13 Let's Measure Capacity

✶**1.**

☐   ▭(green)   ▭(green)   ☐
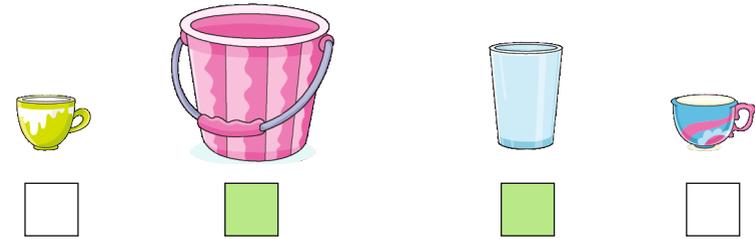
✶**2.** [To be done by students.]

3. **(a)** 5   **(b)** 2   **(c)** 4   **(d)** 6   **(e)** 3

Topic 2.14 : Managing Information

✶**1.**

January	February	March	April	May	June
31	28/29	31	30	31	30

July	August	September	October	November	December
31	31	30	31	30	31
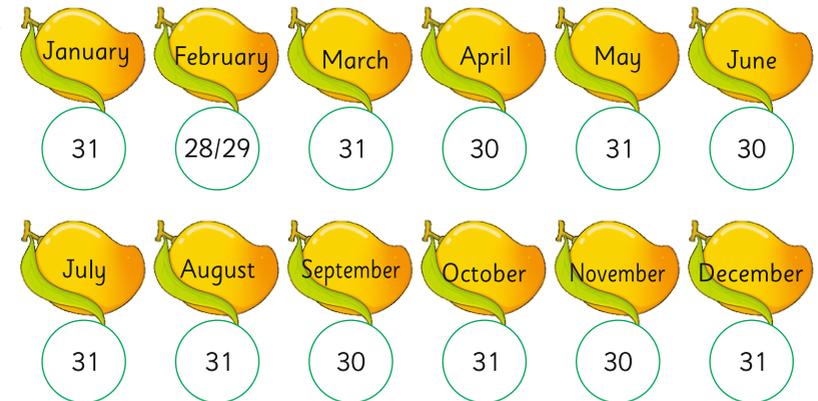
(a) 12   **(b)** 7   **(c)** 4   **(d)** February   **(e)** July

✶**2.** [To be done by students.]

✶**3.** **(a)** In the month of October.

(b) 3 students   **(c)** March   **(d)** July

(e) Maya and Tanaya

1. **(a)** English (Oral) **(b)** 9th August (Friday)
 (c) August **(d)** Sunday. No, it is a holiday.
 (e) 7th August (Wednesday)

Topic 2.15 : Patterns

Classwork/Homework

★**1.**

2 4 6 8 10 12 14 16 18
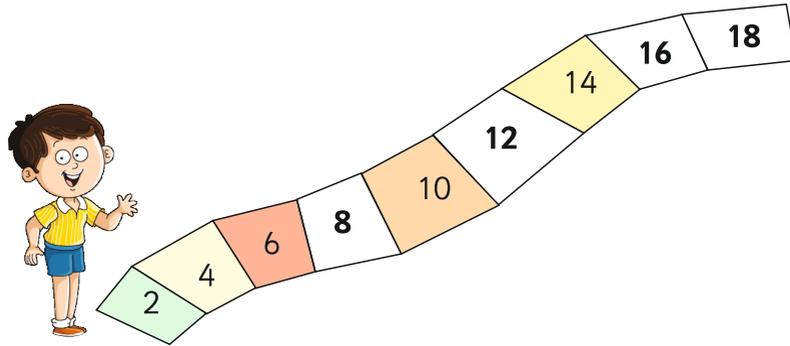
★**2.**

| A | V | M | A | V | M | A | V | **M** | **A** | **V** | **M** |

| 1 | 3 | 1 | 3 | 1 | 3 | **1** | **3** | **1** | **3** |

| 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | **0** | **1** | **0** |

3.

★**(a)**

★**(b)**

| 15 | 20 | 25 | **30** | **35** | **40** | 45 |

★**(c)**

★**(d)**

★**(e)**

★**(f)**

| ↑↑ | → → | ↓↓ | ↑↑ | → → | ↓↓ |

★**(g)**

(h)

(i)

4.

A B A B A B A B A

B C B C B C B C B C B

A B C A B C A B C B C
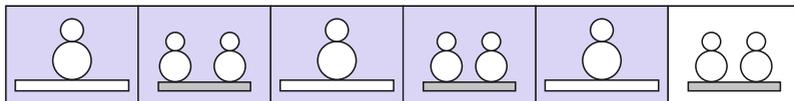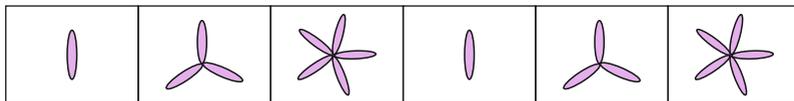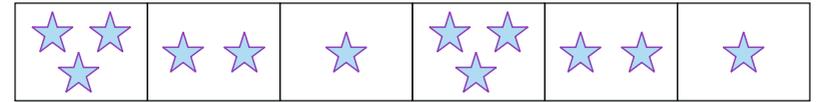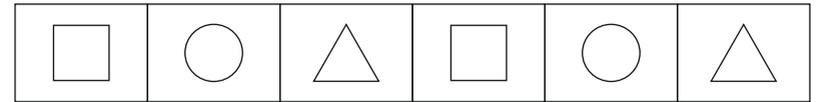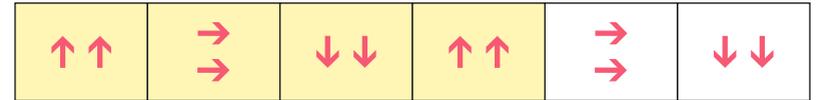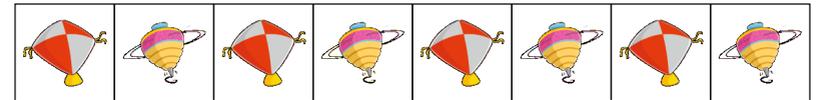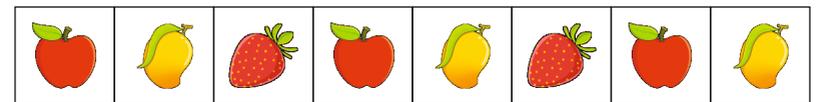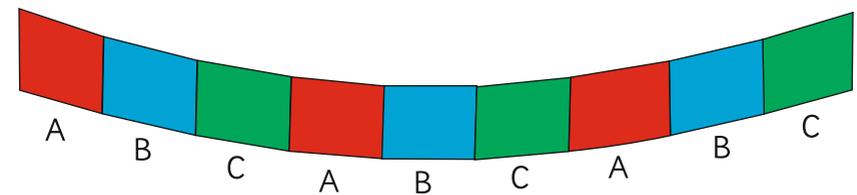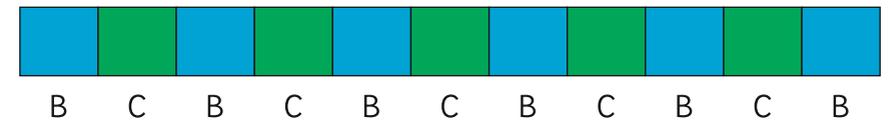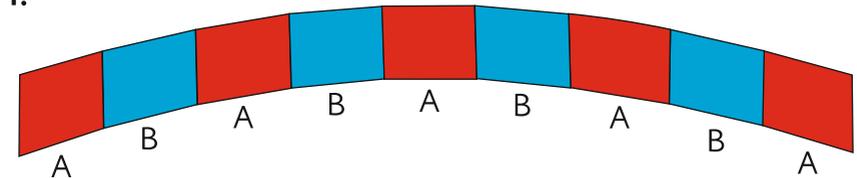
Topic 2.16 : Multiplication Preparation

Classwork/Homework

★ **1.** **(a)**
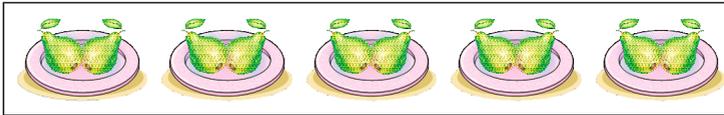
2 + 2 + 2 + 2 + 2 = 10

(b)
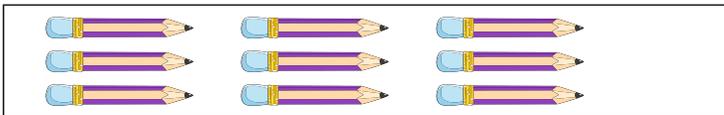
3 + 3 + 3 = 9

(c)
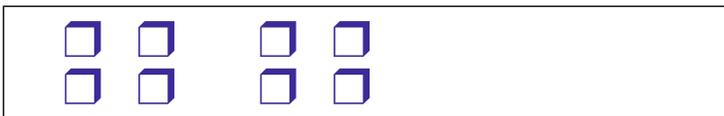
4 + 4 = 8

(d)

2 + 2 + 2 + 2 = 8

(e)
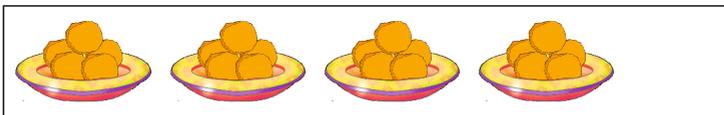
5 + 5 + 5 + 5 = 20

(f)
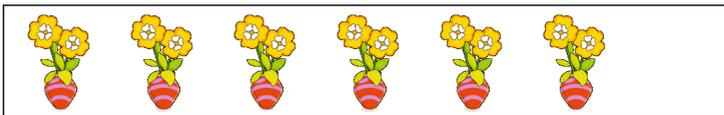
2 + 2 + 2 + 2 + 2 + 2 = 12

(g)
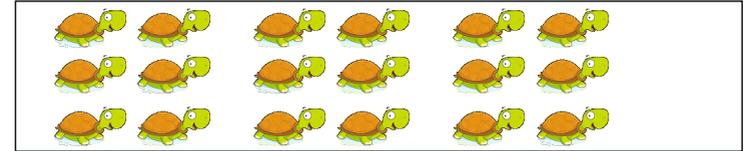
6 + 6 + 6 = 18

★ **2.** **(a)** How many dishes ? 4

How many oranges in each? 3

Total oranges ? 12

3, taken 4 times is 3+3+3+3 = 12

(b) Total rows ? 5

Bushes in each row ? 3

Total bushes ? 15

Thus, 3 + 3 + 3 + 3 + 3 = 15

This is 5 times 3, added together.

Let's write this as 3 × 5 = 15

3. **(a)** How many pumpkins in a row? 3

How many rows? 3

How many pumpkins altogether? 9

$3 + 3 + 3$
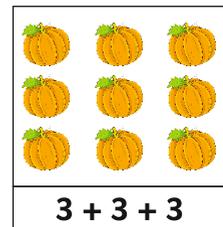
(b) How many roses in a row? 5

How many rows? 2

How many roses altogether? 10

$5 + 5$
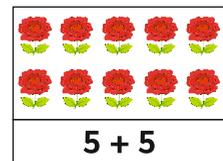
(c) How many balls in a row? **4**

How many rows? **4**

How many balls altogether? **16**

4 + 4 + 4 + 4
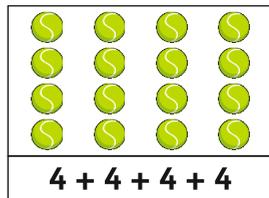
(d) How many caps in a row? **5**

How many rows? **5**

How many caps altogether? **25**
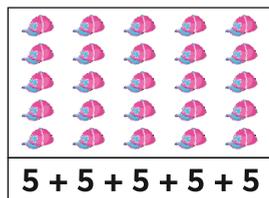
5 + 5 + 5 + 5 + 5

4. **(a)** 2 × 3   **(b)** 3 × 5   **(c)** 4 × 6

5. **(a)** 5 + 5 + 5 + 5

(b) 3 + 3 + 3 + 3 + 3 + 3

(c) 2 + 2 + 2 + 2

6. **(a)** 3 + 3 + 3 + 3 = 3 × 4

(b) 2 + 2 + 2 + 2 + 2 = 2 × 5

(c) 3 + 3 + 3 = 3 × 4

Topic 2.17 : Let's Make Tables

Classwork/Homework

★1. (a)

Table of 4

4 × 1 = **4**	4 × 2 = **8**
4 × 3 = **12**	4 × 4 = **16**
4 × 5 = **20**	4 × 6 = **24**

4 × 5 = **20**   4 × 6 = **24**

4 × 9 = **36**   4 × 10 = **40**

(b)

Table of 10

10 × 1 = **10**	10 × 2 = **20**
10 × 3 = **30**	10 × 4 = **40**
10 × 5 = **50**	10 × 6 = **60**
10 × 7 = **70**	10 × 8 = **80**
10 × 9 = **90**	10 × 10 = **100**

★2.

★★★★★ 5, taken once	5	5
★★★★★ 5, taken twice	5 + 5	10
★★★★★ 5, taken thrice	10 + 5	15
★★★★★ **5, taken 4 times**	15 + 5	20
★★★★★ **5, taken 5 times**	**20 + 5**	25

(stars)	5, taken 6 times	25 + 5	30
(stars)	**5, taken 7 times**	**30 + 5**	**35**
(stars)	**5, taken 8 times**	**35 + 5**	**40**
(stars)	**5, taken 9 times**	**40 + 5**	**45**
(stars)	**5, taken 10 times**	**45 + 5**	**50**

3.
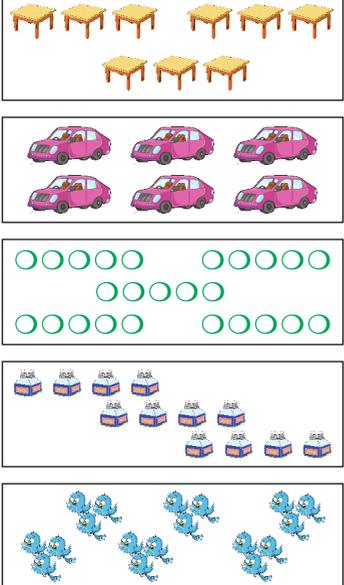
$2 \times 3 = 6$

$3 \times 3 = 9$

$3 \times 6 = 18$

$5 \times 5 = 25$

$4 \times 3 = 12$

4.

(a) $2 \times 4 = 8$　(b) $2 \times 7 = 14$

(c) $3 \times 10 = 30$　(d) $3 \times 4 = 12$

(e) $4 \times 4 = 16$　(f) $4 \times 9 = 36$

(g) $5 \times 5 = 25$　(h) $5 \times 8 = 40$

(i) $10 \times 6 = 60$　(j) $10 \times 10 = 100$

Topic 2.18 : Maths in a Story

Classwork/Homework

✴**1.** $\boxed{35}$　**2.** $12 - 2 = \boxed{10}$　$4 \times 2 = \boxed{8}$

$5 \times 2 = \boxed{10}$　$\boxed{12} - \boxed{10} = \boxed{2}$

3. $2 + 5 = \boxed{7}$　$7 \times 3 = \boxed{21}$　$25 - \boxed{21} = \boxed{4}$