Skillment

MATHEMATICS

WORKBOOK

FS-3
UKG

Skillment Mathematics Workbook – FS 3 (UKG)

PMP Editorial Team

Preface

With a vision of making quality education accessible to all from the Foundational Stage to Secondary Stage of schooling, the **National Education Policy (NEP) 2020** has issued a new pedagogical and academic structure. The new pedagogical and academic structure has been divided into four stages as mentioned below:

Foundational Stage (5 years): Nursery, LKG, UKG, Std. 1 and Std. 2   (3-8 years)

Preparatory Stage (3 years): Std. 3, Std. 4 and Std. 5   (8-11 years)

Middle Stage (3 years): Std. 6, Std.7 and Std. 8   (11-14 years)

Secondary Stage (4 years): Std. 9, Std. 10, Std. 11 and Std. 12   (14-18 years)

In the new 5+3+3+4 structure, a strong base of **Early Childhood Care and Education (ECCE)** from age 3 is also included. The overall aim of Early Childhood Care and Education (ECCE) is to attain optimal outcomes in the following domains:

✓   Physical and motor development

✓   Cognitive development

✓   Social-emotional-ethical development

✓   Cultural/Artistic development

✓   Development of communication and early language, literacy, and numeracy

Our new series, **Skillment**, is properly graded and contains age-appropriate course material for the learners of Foundational Stage to achieve the aims and objectives outlined in the **National Curriculum Framework (NCF) for Foundational Stage 2022**. The series covers different subjects which are classified under the following categories:

FS 1 (3+ years): Maths, English, EVS, Hindi, Art and Craft, Kavitayen aur Kahaniyan, Rhymes and Stories

FS 2 (4+ years): Maths, English, EVS, Hindi, Art and Craft, Kavitayen aur Kahaniyan, Rhymes and Stories

FS 3 (5+ years): Maths, English, EVS, Hindi, Art and Craft, Kavitayen aur Kahaniyan, Rhymes and Stories

FS 4 (6+ years): Maths, English, EVS, Hindi, English Grammar, Art and Craft, Computer and GK

FS 5 (7+ years): Maths, English, EVS, Hindi, English Grammar, Art and Craft, Computer and GK

Apart from the main books, we are also providing **Workbooks** with Maths, English, EVS and Hindi to learners for extra practice.

The whole set of books for each class also carries a **Teacher's Resource Kit** which contains various kinds of relevant and interesting teaching aid that teachers may use in the classroom.

A **booklet on Social and Emotional Learning** (SEL) including lesson plans is provided for the teachers to inculcate SEL skills in the learners.

Skillment App is for skill building and joyful teaching and learning for teachers and learners.

Web Support

Our web portal **pmponline.co.in** provides a vital web support to teachers and learners. It includes the following:
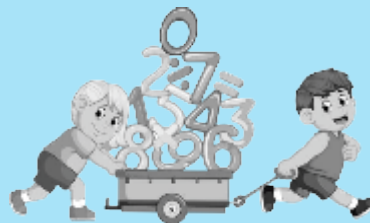
◆   **Multimedia ebooks:** consist of animation, audio, video, and interactive exercises

◆   **Additional worksheets:** printable worksheets for extra practice

◆   **Teacher's resource:** comprises lesson plans

◆   **Virtual lessons:** consist of pre-recorded video lessons

◆   **AR (Augmented Reality) App both for android and iOS:** turns books into smart books with better visualisation and concept clarity

It is a concerted attempt to make the series more useful for the teachers, parents and kids. We hope this series will be quite helpful in achieving the goals set by the NEP 2020. However, we shall appreciate valuable and constructive feedback from teachers and parents to improve the books with every new edition.

—Publishers

Contents
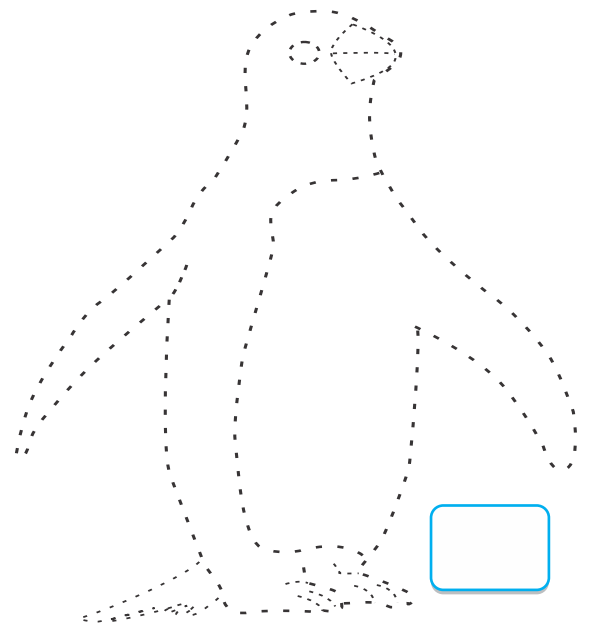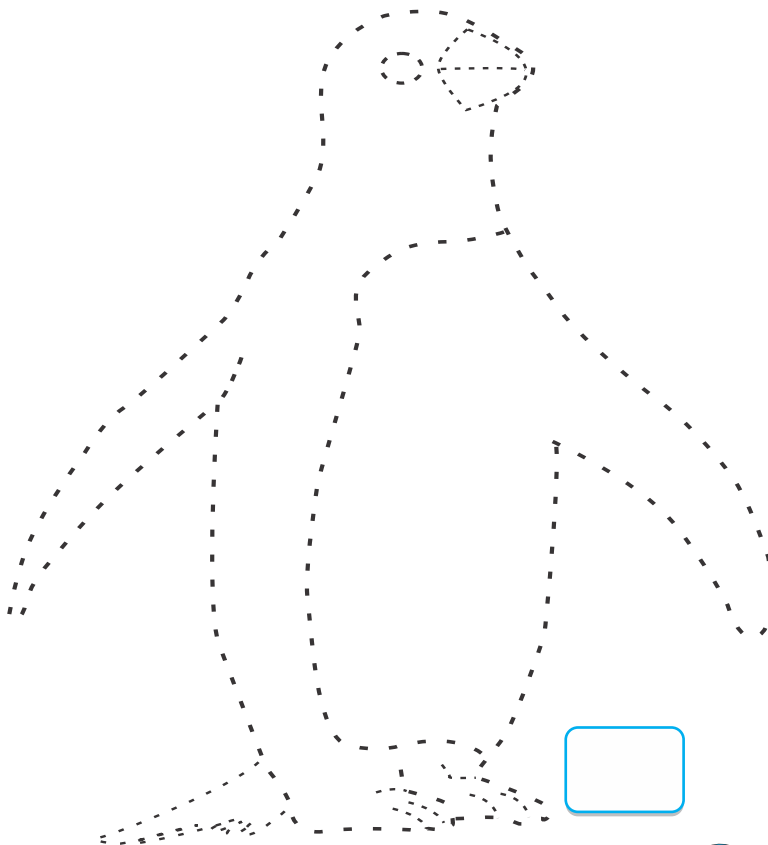
◆ **Fill red colour for big bird, blue for bigger bird and green for the biggest bird.**
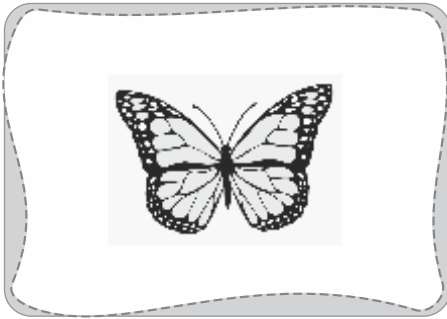
◆ **Join the dots to draw the two penguins. Colour both of them. Tick (✓) the penguin that is bigger.**
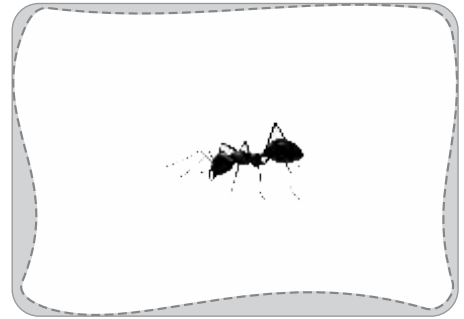
Point and say Small, Smaller and Smallest. Then, tick (✓) the correct words.

Small Smaller Smallest	Small Smaller Smallest	Small Smaller Smallest

Trace the numbers from 1 to 10 to complete the drawing of a snail.
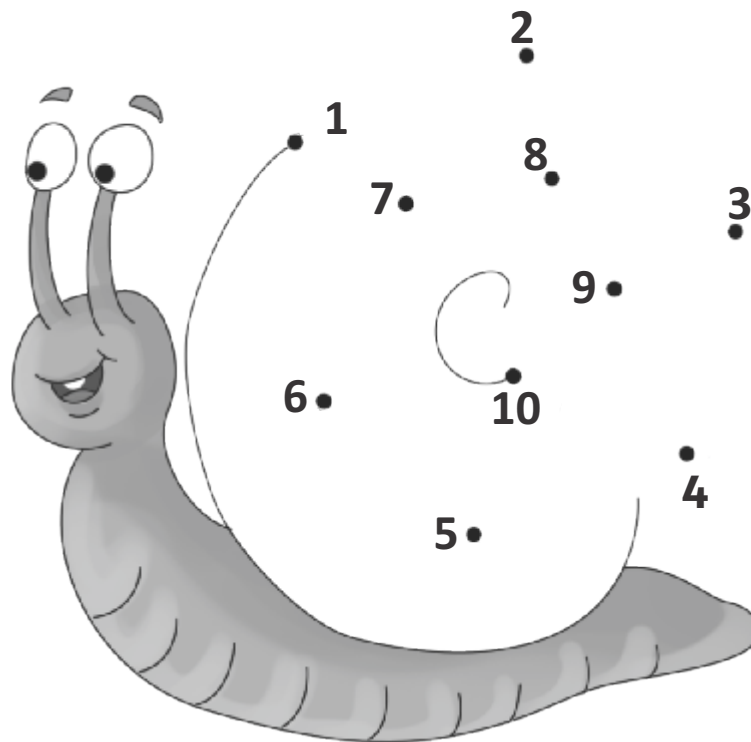
Now, fill in the blank with the correct word from the brackets.

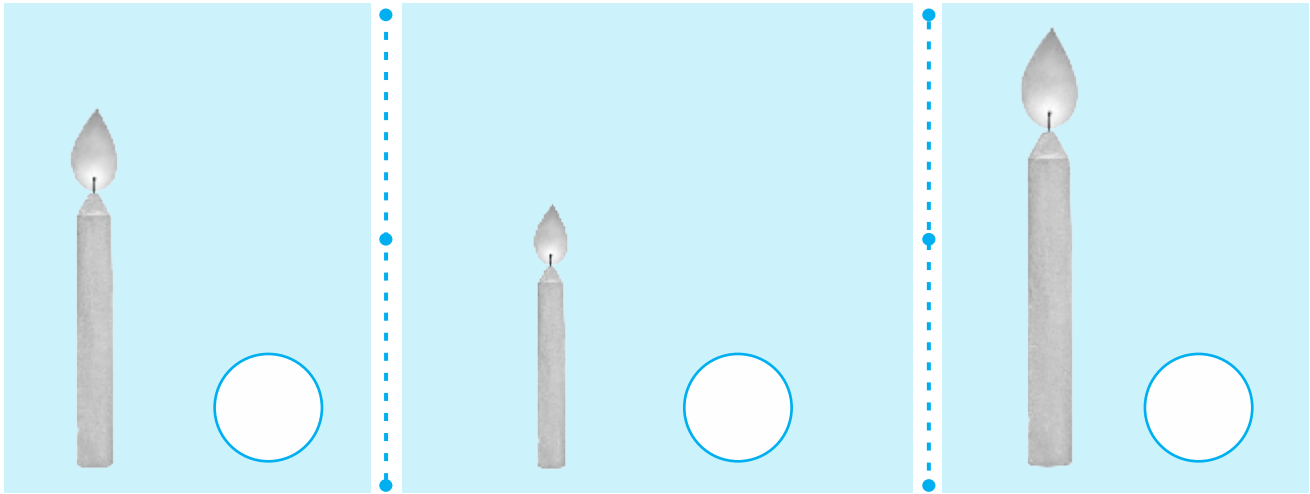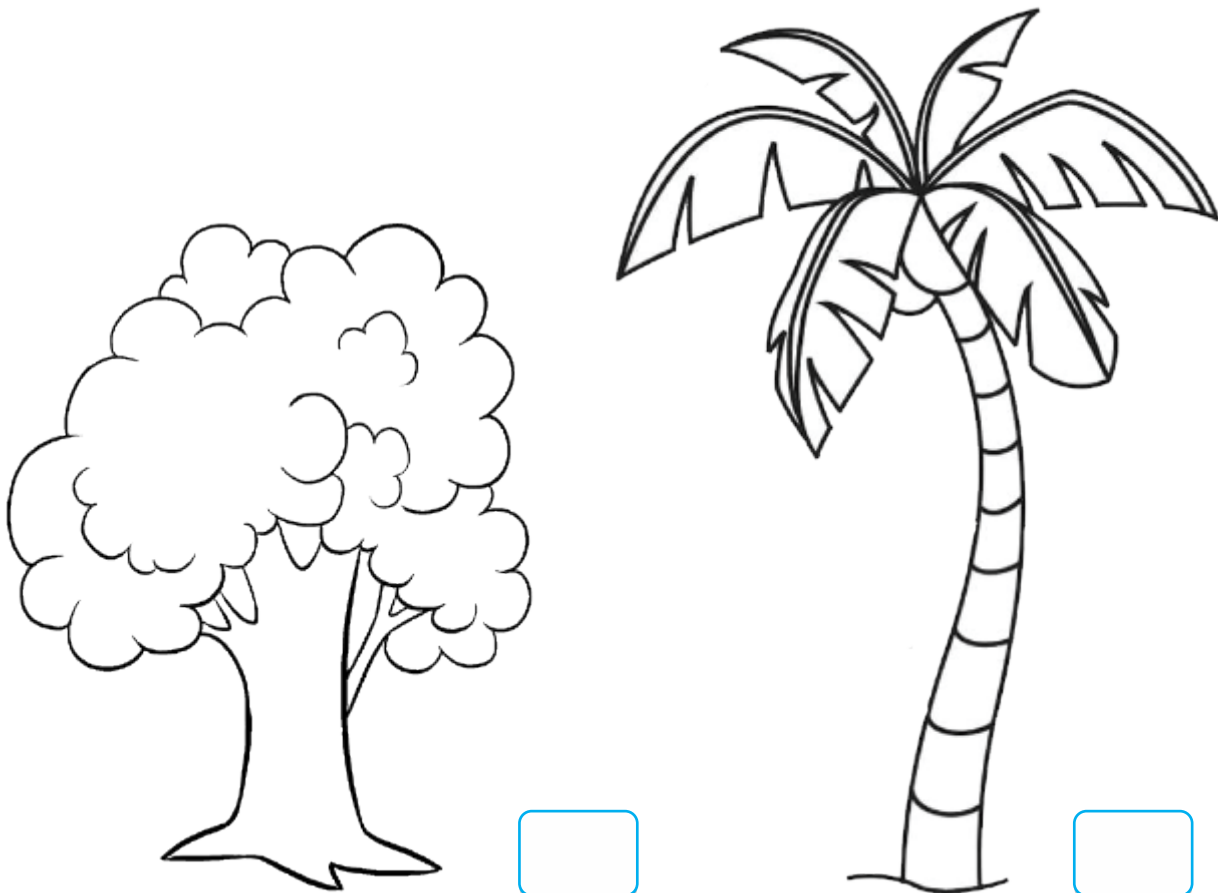A snail is .... than a turtle.

(small/ smaller/ smallest)

◆ Point and say Tall, Taller and Tallest. Then colour the circle red for the tallest candle.

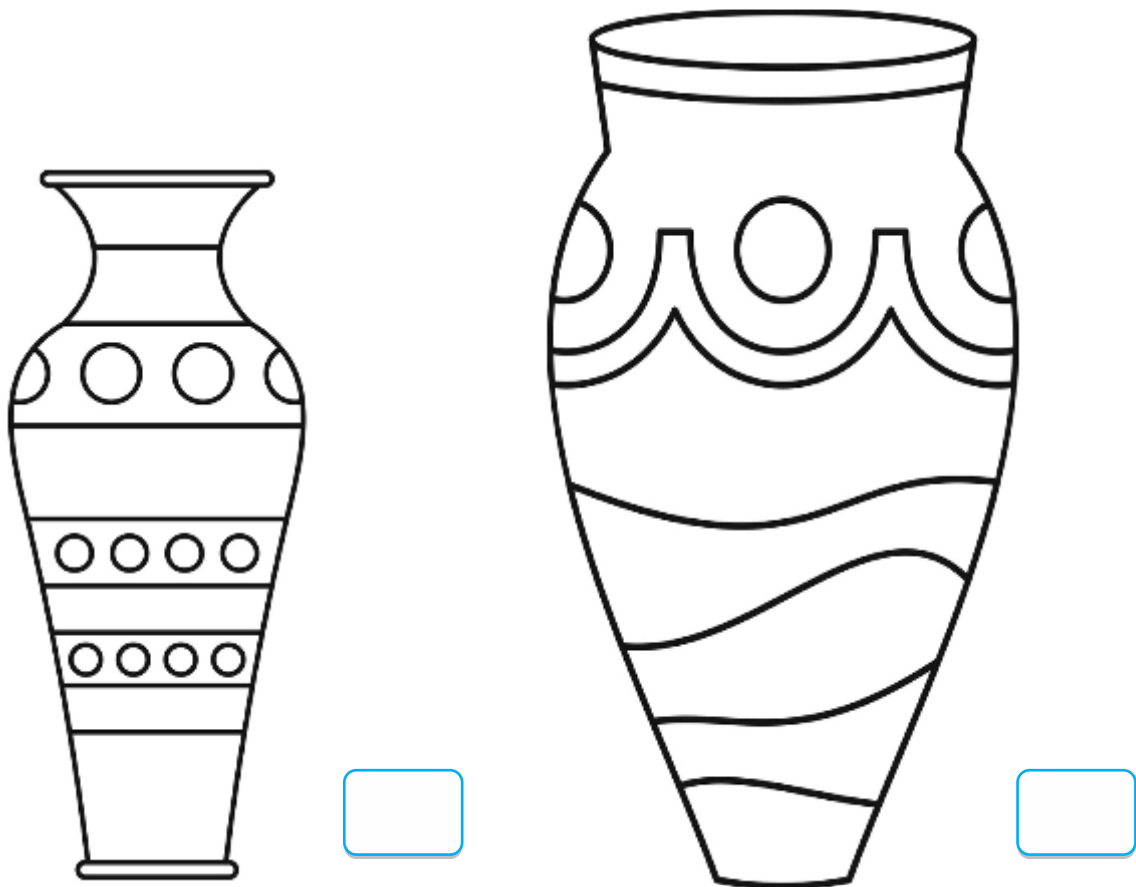**◆ Tick (✓) the tree that is taller. Colour both the trees.**

◆ **Point and say Short, Shorter, Shortest. Then, circle the shortest tree.**

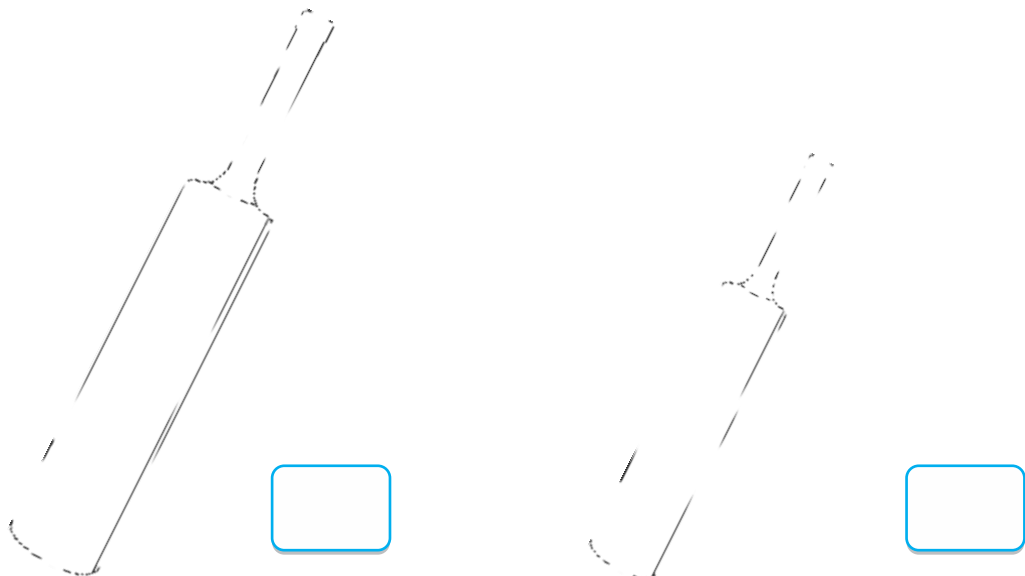◆ **Tick (✓) the flower vase that is shorter. Colour both the vases.**

◆ **Point at the belts and say Long, Longer and Longest. Then match them with correct words.**

LONG

LONGER

LONGEST

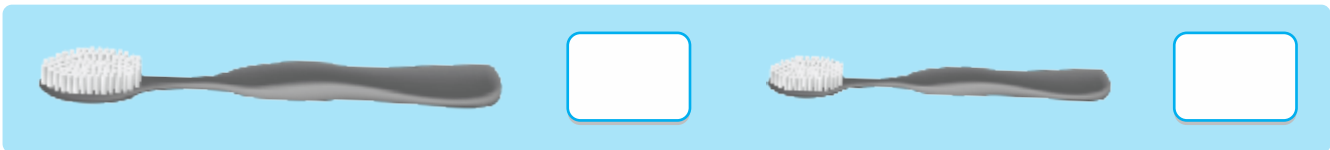◆ **Tick (✓) the cricket bat that is longer. Colour both the cricket bats.**
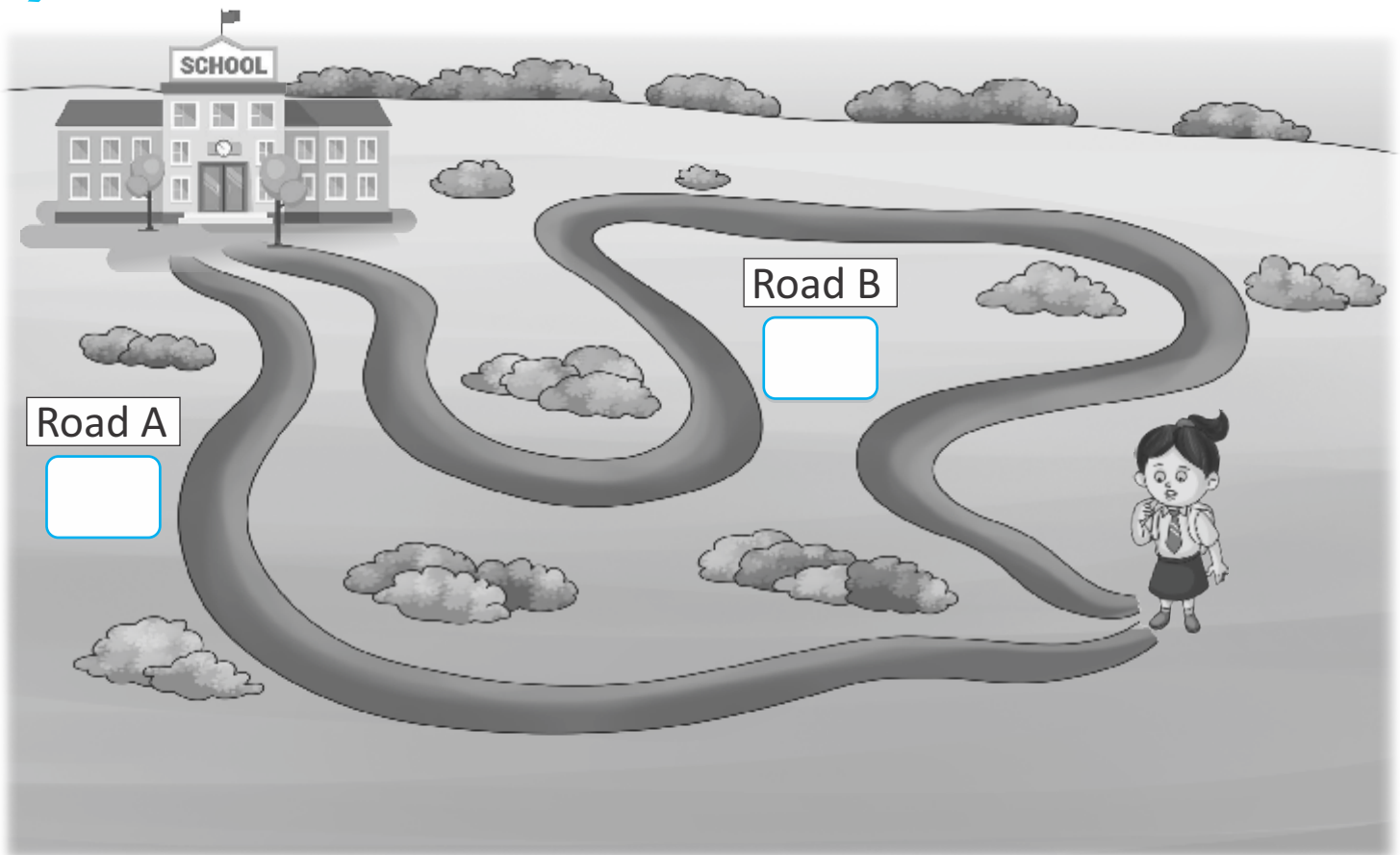
◆ **Point and say Short, Shorter and Shortest. Then circle the shortest comb.**
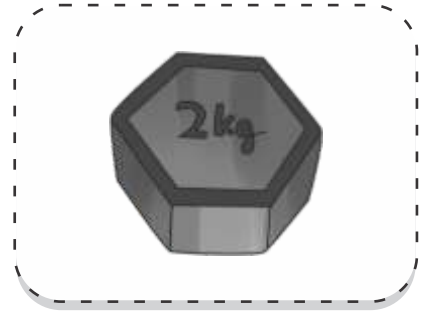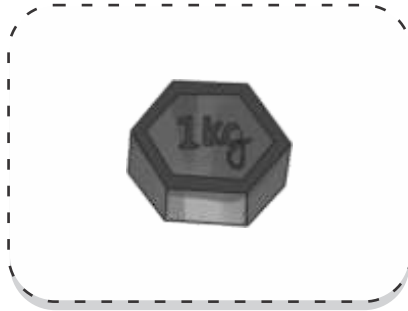
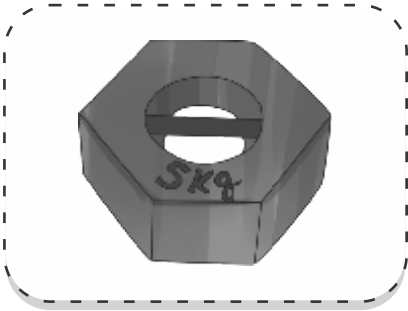◆ **Tick (✓) the toothbrush that is shorter.**

◆ **Tick (✓) the road that will help the girl reach her school earlier.**
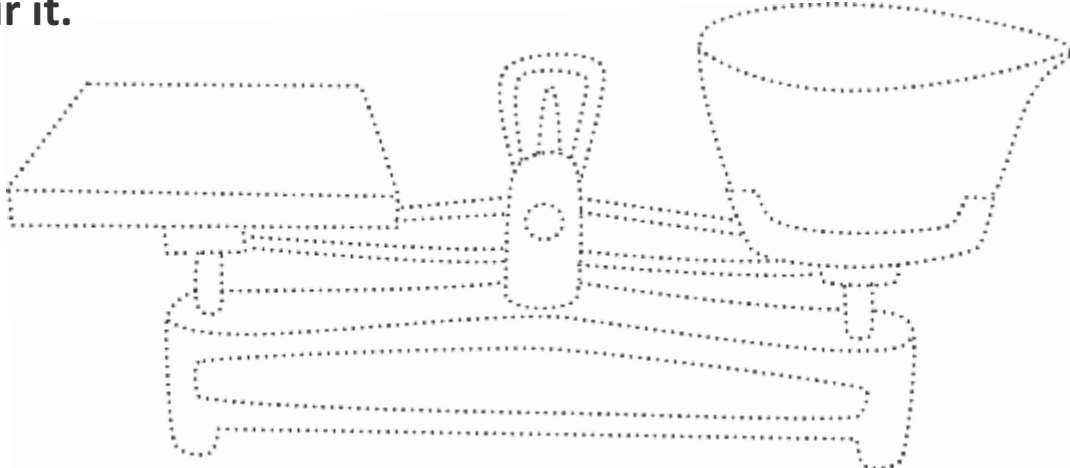
SCHOOL

Road B

Road A

◆ **Point at the weights and say Heavy, Heavier and Heaviest. Then, tick (✓) the heaviest weight.**

5kg   1kg   2kg

◆ **Circle the object that is heavier.**

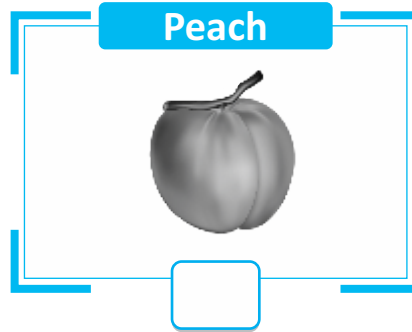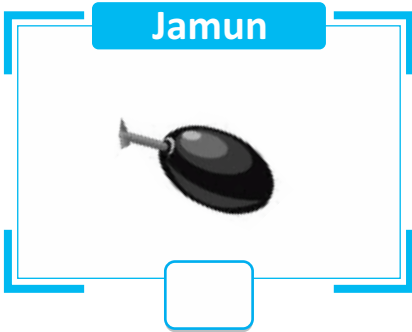◆ **Join the dots to complete the drawing of a weighing scale. Also, colour it.**

◆ **Point at the fruits and say Light, Lighter and Lightest. Then, tick (✓) the lightest fruit.**

Jamun	Peach	Mango
☐	☐	☐

◆ **Tick (✓) the lighter vegetable. Then colour both the vegetables.**

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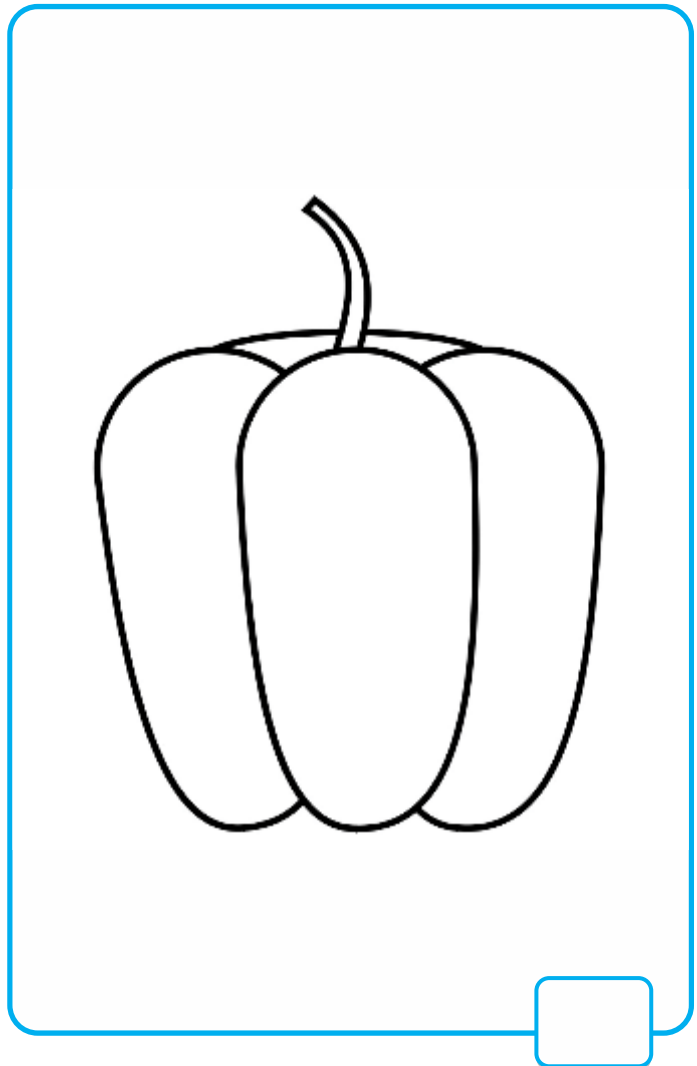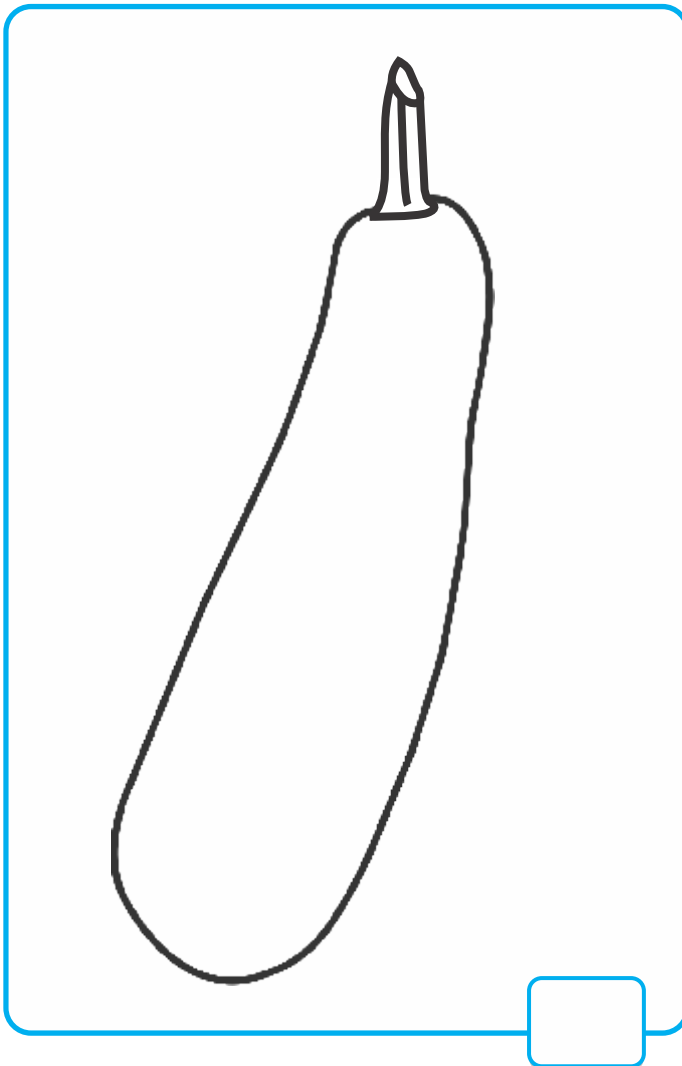
9 Thick, Thicker, Thickest

◆ **Point at the books and say Thick, Thicker and Thickest. Then, tick (✓) the thickest book.**

BOOK

BOOK

Math

☐   ☐   ☐

◆ **Match the bottles with their caps.**

●   ●

●   ●

●   ●

◆ **Point at the thread rolls and say Thin, Thinner and Thinnest. Then, tick (✓) the thinnest roll.**
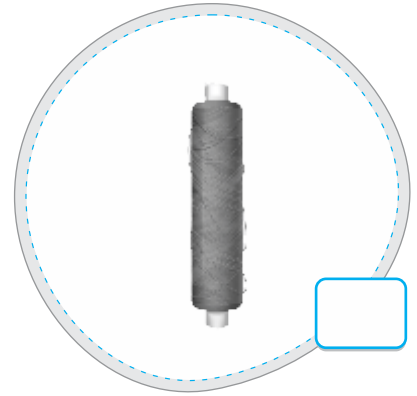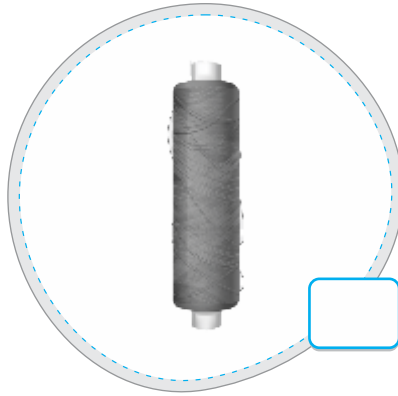
◆ **Circle the piece of bread that is thinner.**

◆ **Tick (✓) the candle that will last longer. Then, colour both the candles.**
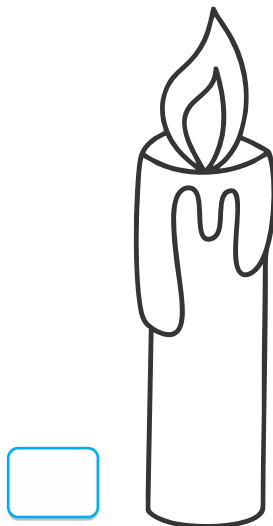
◆ **Point at the shapes and say their names aloud. Colour the circle red, triangle blue, square green and rectangle yellow.**
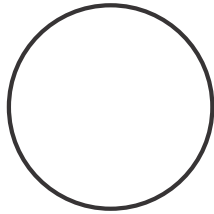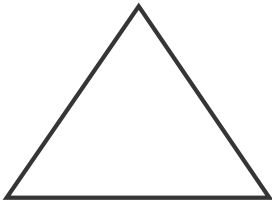
◆ **Pick words from the brackets and fill in the blanks.**
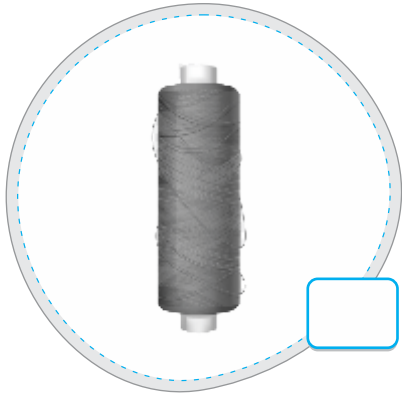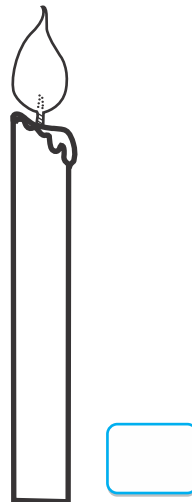
- A triangle has .... sides. (three/four)

- A square has .... sides. (three/four)

- The opposite sides of a .... are equal. (rectangle/triangle)

- A .... has no sides. (square/circle)

◆ **In the box, draw the shape that will come next.**
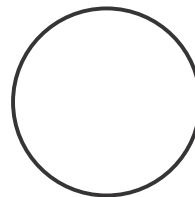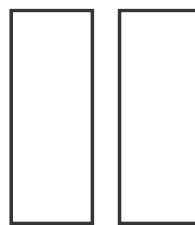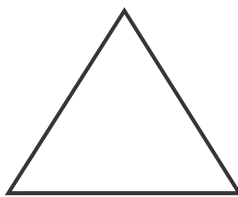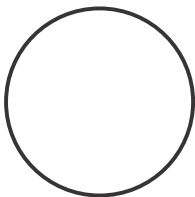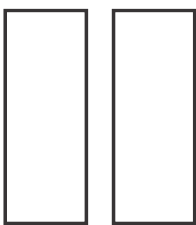
◆ **Point and say each number aloud.**

1 ONE	2 TWO	3 THREE	4 FOUR	5 FIVE
6 SIX	7 SEVEN	8 EIGHT	9 NINE	10 TEN

◆ **Draw as many lines as the numbers given. One has been done.**

2				3	
5		7	
8		10	

◆ **Count the things and write their numbers.**
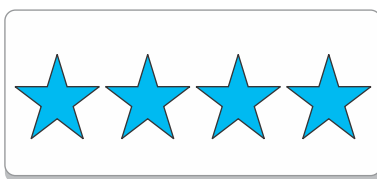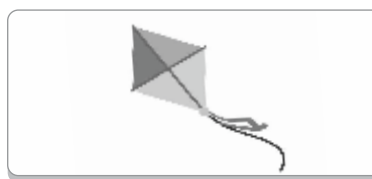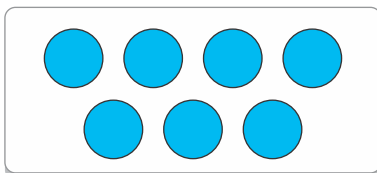
13 Number 11 to 20
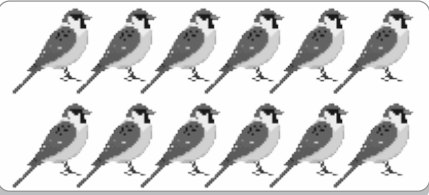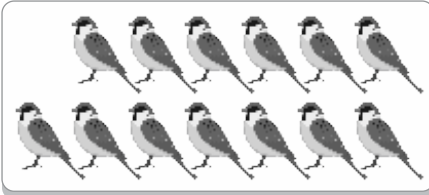
◆ **Point and say each number aloud.**

11 ELEVEN	**12** TWELVE	**13** THIRTEEN	**14** FOURTEEN	**15** FIFTEEN
16 SIXTEEN	**17** SEVENTEEN	**18** EIGHTEEN	**19** NINETEEN	**20** TWENTY

◆ **Draw as many lines as the numbers given.**

11	**13**
15	**17**

◆ **Count the birds and write their numbers.**

17

◆ **Tick (✓) the correct word for each picture.**

Before ☐	Before ☐	Before ☐
After ☐	After ☐	After ☐
Between ☐	Between ☐	Between ☐

◆ **Write the number that will come before.**

| | **3** | **4** |

◆ **Write the number that will come after.**

| **14** | **15** | |

◆ **Write the number that comes between.**

| **5** | | **7** |

15 Let Us Compare Numbers

◆ Tick (✔) the picture which has greater number of snails.

◆ Use > for 'greater than', < for 'less than' and = for 'equal to'.
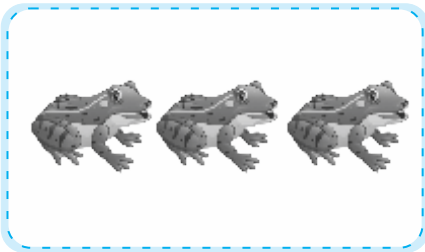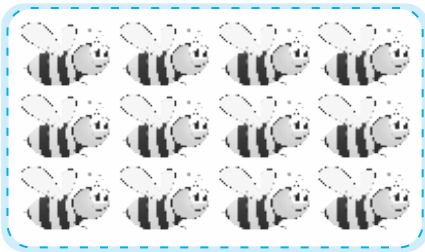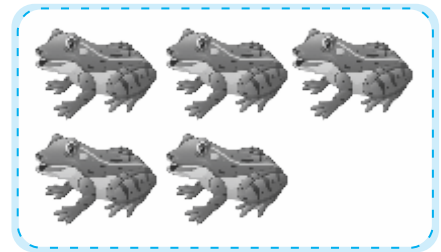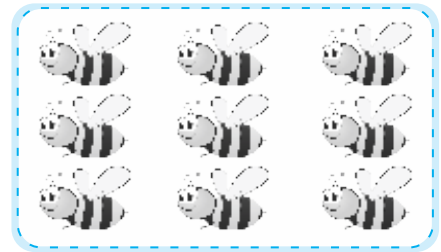
◆ Fill in the box with <, > or = symbol.

5 ☐ 7   9 ☐ 11

14 ☐ 12   16 ☐ 16

◆ **Using 1 to 4, number the bats in ascending order (shortest to longest).**
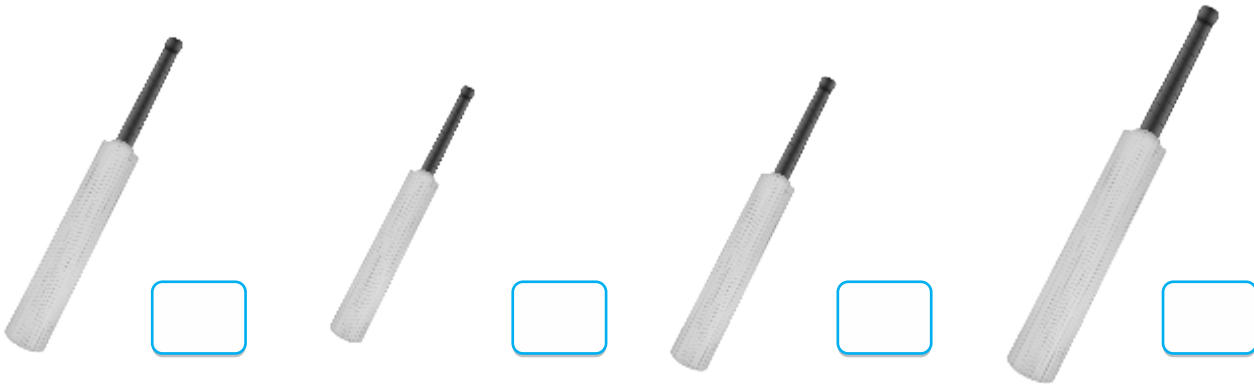
◆ **Using 1 to 4, number the rackets in descending order (longest to shortest).**

◆ **Write the numbers in both ascending order and descending order.**

13	16	8	5	12

Ascending Order

Descending Order
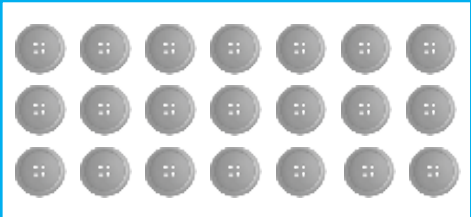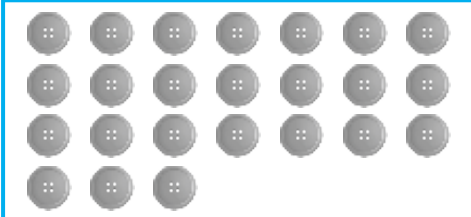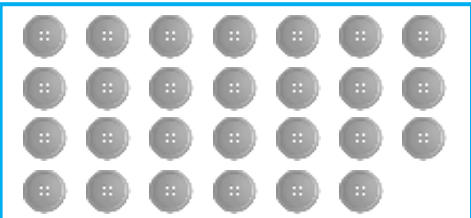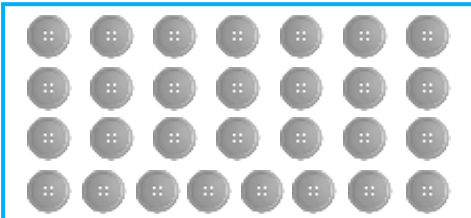
◆ **Point and say each number aloud.**

21	22	23	24	25
26	27	28	29	30

◆ **Match the number names with the numbers.**

Twenty-one	23
Twenty-three	25
Twenty-five	30
Twenty- eight	21
Thirty	28

◆ **Count the buttons and write their numbers.**

21

◆ **Point and say each number aloud.**

31	32	33	34	35
36	37	38	39	40
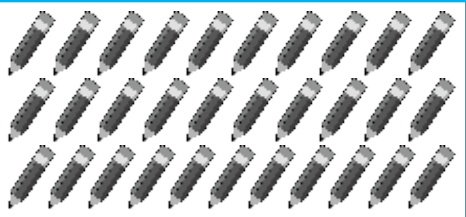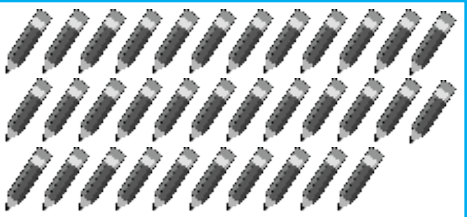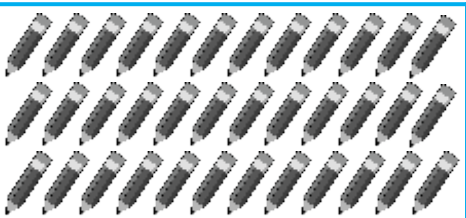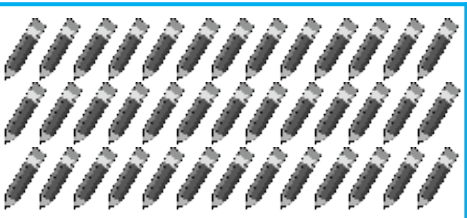
◆ **Match the number names with the numbers.**

Thirty- three	37
Thirty- five	39
Thirty- seven	33
Thirty- nine	40
Forty	35

◆ **Count the pencils and write their numbers.**

◆ **Point and say each number aloud.**

41	42	43	44	45
46	47	48	49	50

◆ **Match the number names with the numbers.**

Forty- one		44
Forty- three		47
Forty- four		49
Forty- seven		41
Forty- nine		43

◆ **Write the numbers that are missing.**

42	43			44	45	
	48	49		45		47

◆ **Look at the rats following the Pied Piper. Point at the rats and say First, Second, Third and so on.**

◆ **Colour the fifth apple from the left.**
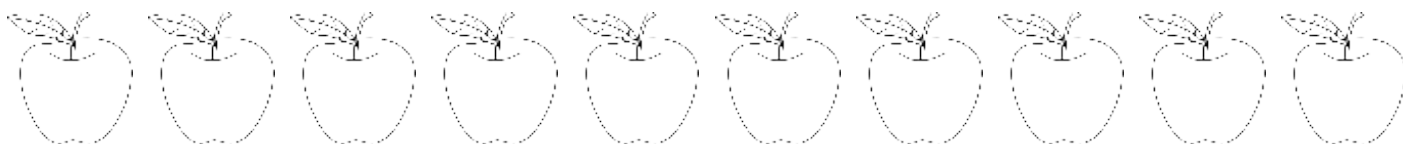
◆ **Colour the ninth tree from the right.**

21 Shapes of Objects

Look at the pictures and circle the correct words.
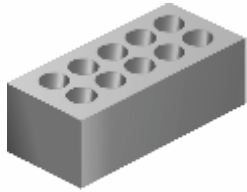
	CONE
BRICK	CUBOID

	SPHERE
BALL	CYLINDER

	CYLINDER
CAP	CONE

	SPHERE
BOX	CUBE

	CYLINDER
CAN	CONE

Search and circle the names of shapes in the grid.

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

22) Addition

◆ **Count the objects to add the numbers.**

2	+	4	=	

◆ **Add the given numbers on the numberline and write the result in the boxes.**

```
<———+———+———+———+———+———+———+———+———+———+———>
    1   2   3   4   5   6   7   8   9   10
```

1 + 3 =

```
<———+———+———+———+———+———+———+———+———+———+———>
    1   2   3   4   5   6   7   8   9   10
```

3 + 5 =

◆ **Draw as many lines as the numbers. Then, count all the lines to add the numbers.**

```
   1            4            6
 + 2          + 5          + 3
```

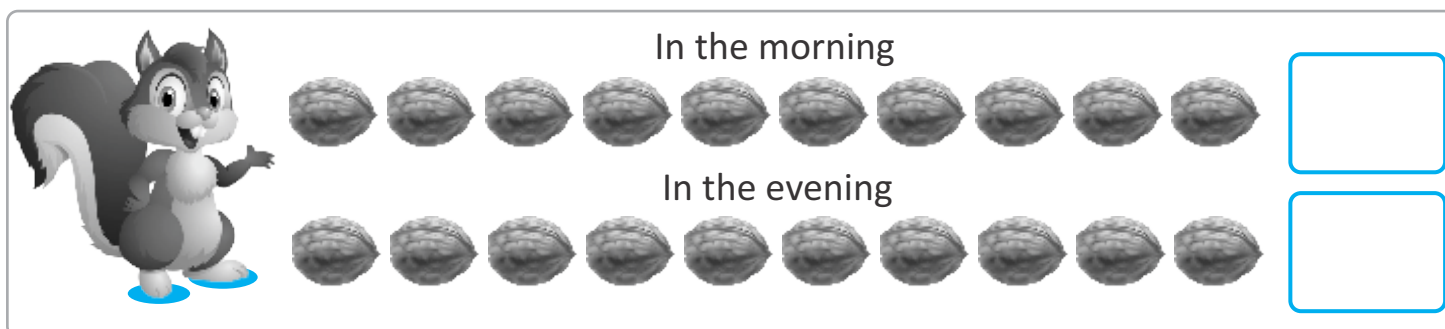◆ **The squirrel needs to eat walnuts. Cross out as many walnuts as you want it to eat. Write the number of walnuts left in the box.**

In the morning

In the evening

◆ **Look at the pictures and fill in the boxes with numbers.**

$$\boxed{} - \boxed{} = \boxed{}$$

$$\boxed{} - \boxed{} = \boxed{}$$
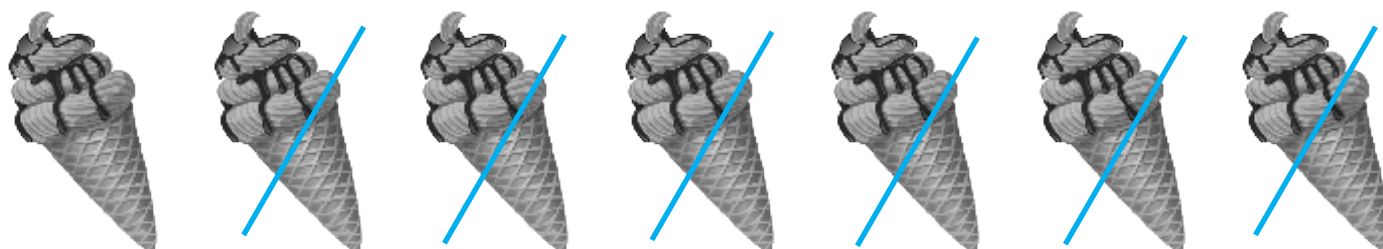
◆ **Subtract the given numbers on the numberline.**

1   2   3   4   5   6   7   8   9   10

$$\boxed{7} - \boxed{5} = \boxed{}$$

◆ **Point and say each number aloud.**

51	52	53	54	55
56	57	58	59	60

◆ **Match the number names with the numbers.**

Fifty-one		55
Fifty-two		57
Fifty-five		52
Fifty-seven		60
Sixty		51

◆ **Count the marbles and write their numbers.**

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25 Number 61 to 70

◆ **Point and say each number aloud.**

61	62	63	64	65
66	67	68	69	70

◆ **Match the number names with the numbers.**

Sixty-one	66
Sixty-three	69
Sixty-six	70
Sixty-nine	61
Seventy	63

◆ **Count the stars and write their numbers.**

29

◆ **Point and say each number aloud.**

71	72	73	74	75
76	77	78	79	80
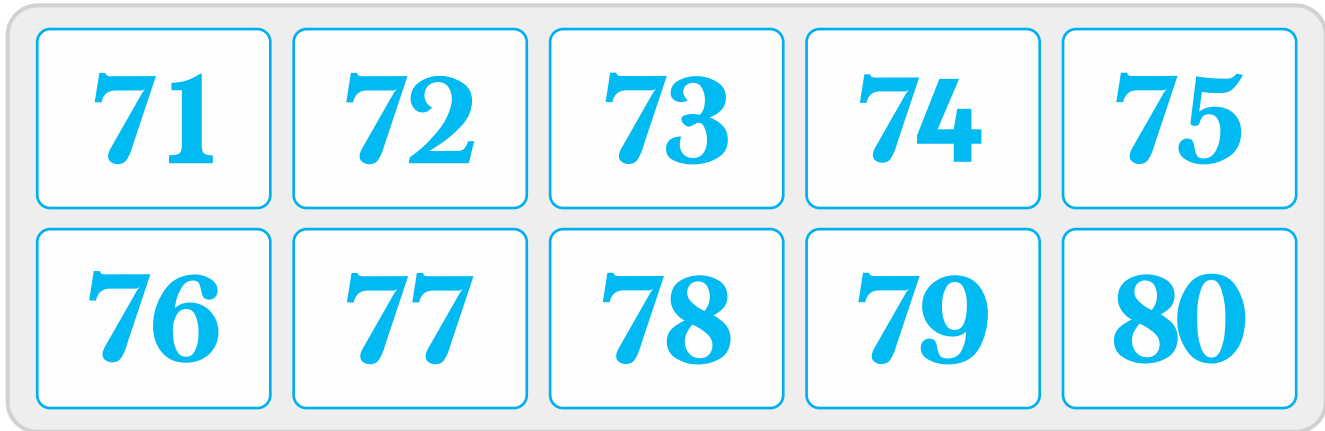
◆ **Match the number names with the numbers.**

Seventy-three	79
Seventy-four	73
Seventy-seven	80
Seventy-nine	77
Eighty	74

◆ **Count the beads and write their numbers.**

27 Number 81 to 90

◆ **Point and say each number aloud.**

81	**82**	**83**	**84**	**85**
86	**87**	**88**	**89**	**90**

◆ **Match the number names with the numbers.**

Eighty- three		86
Eighty- five		87
Eighty- six		89
Eighty-seven		85
Eighty- nine		83

◆ **Count the squares and write their numbers.**
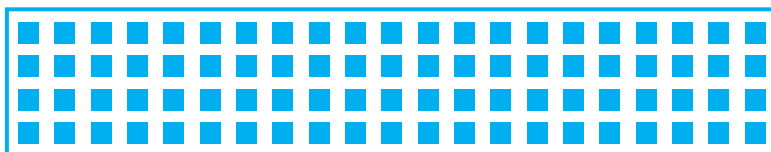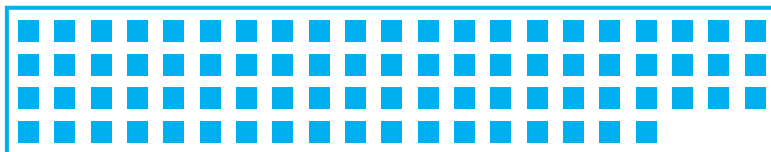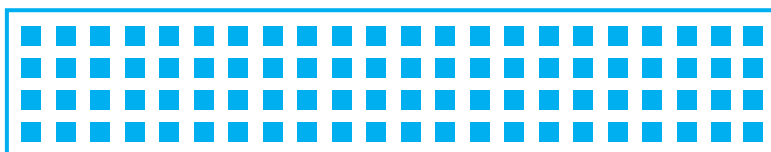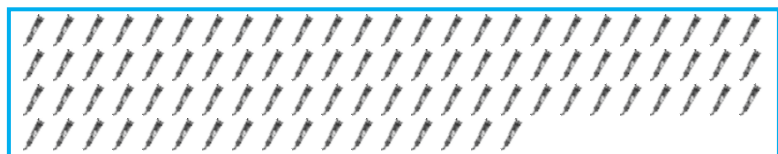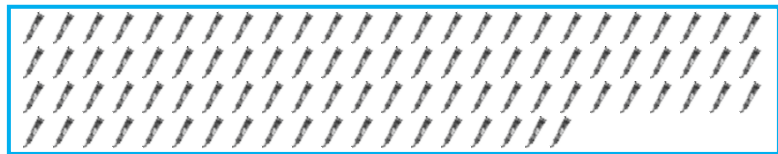
Point and say each number aloud.

91	92	93	94	95
96	97	98	99	100

Match the number names with the numbers.

Ninety-three		98
Ninety-five		93
Ninety-six		100
Ninety-eight		96
Hundred		95

Count the crayons and write their numbers.

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◆ **Colour every second number, starting from 2.**

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20

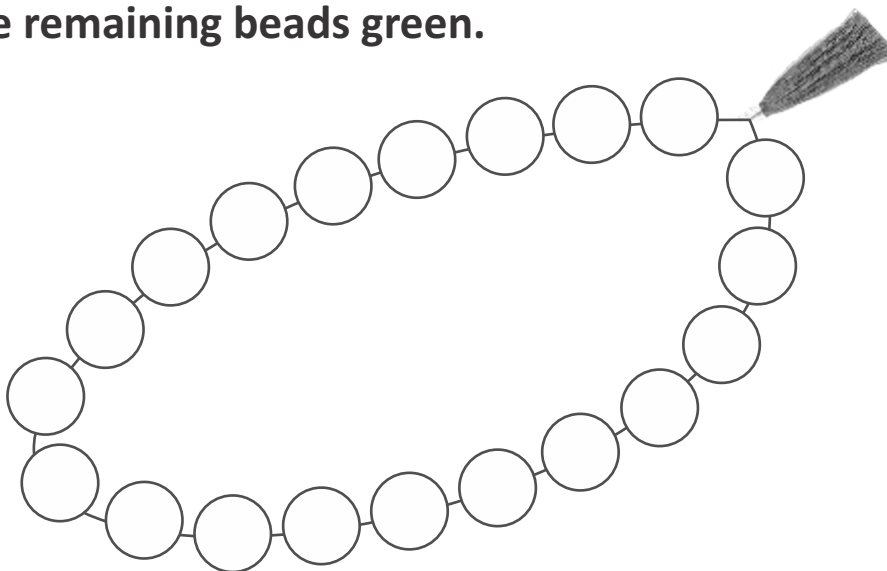**Now, write all the coloured numbers in the boxes below.**

◆ **Colour every second circle blue, starting from the first one on the left.**
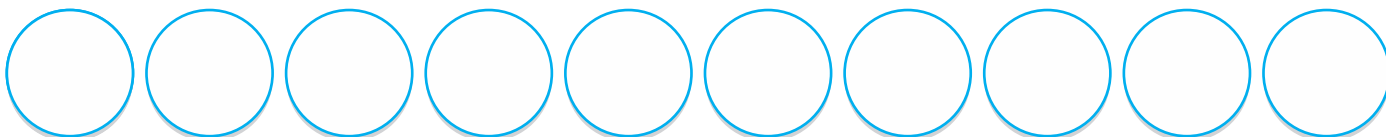
◆ **Colour every second shape green, starting from the second one on the left.**

◆ **Colour every second bead of the necklace red, starting from any bead. Colour the remaining beads green.**

◆ **Colour every third number, starting from 3.**

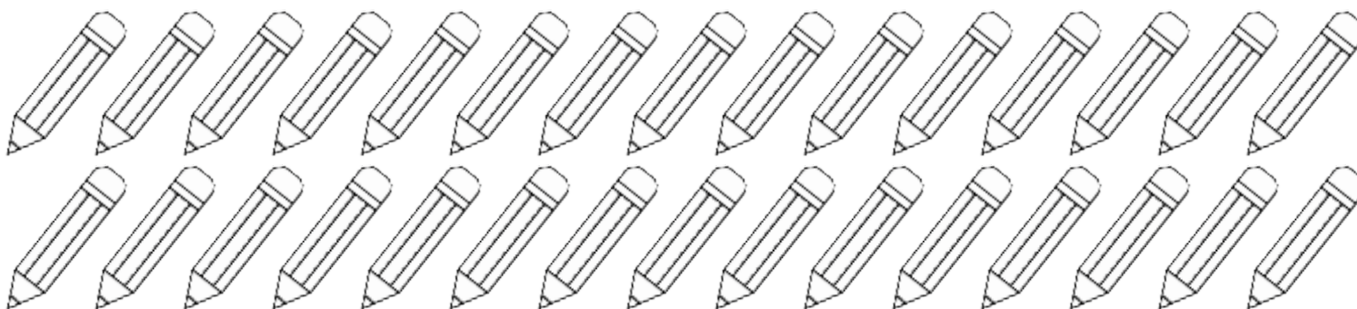| 1	2	3	4	5	6	7	8	9
10	11	12	13	14	15	16	17	18

Now, write all the coloured numbers in the boxes below.

☐ ☐ ☐ ☐ ☐ ☐

◆ **Tick (✓) every third number starting from the number 4.**

4	5	6	7	8	9	10	11	12
☐	☐	☐	☐	☐	☐	☐	☐	☐

◆ **Starting from the third pencil, colour every third pencil red.**

◆ **Colour every third train coach pink, starting from the rear end. Colour all the other coaches brown.**
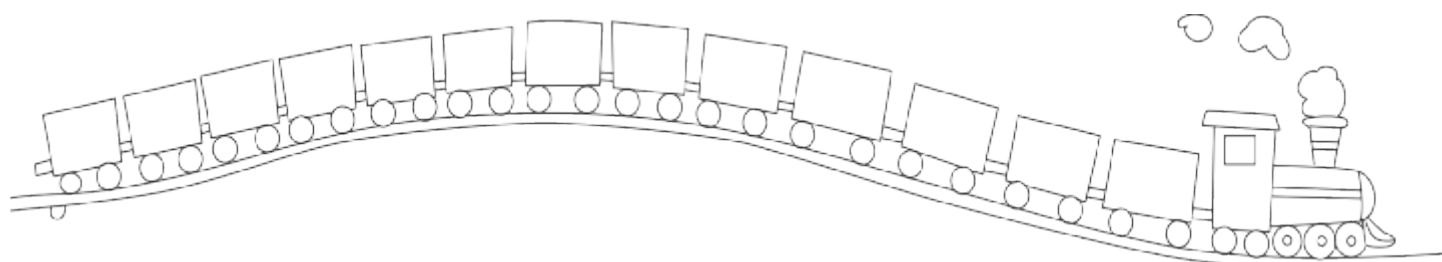
◆ **Colour every fifth number, starting from 5.**

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

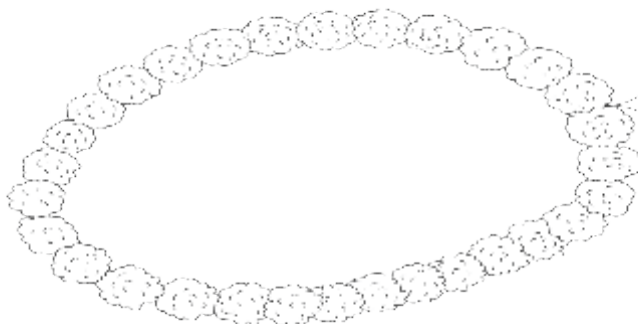**Now, write all the coloured numbers in the boxes below.**

◆ **Tick (✔) every fifth number, starting from the number 10.**

| 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 |

◆ **Colour every fifth flower of the garland red, starting from any flower. Colour all the remaining flowers yellow.**

35

◆ **Colour every tenth number, starting from 10.**

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

Now, write all the coloured numbers in the boxes below.

[ ] [ ] [ ]

◆ **Tick (✓) every tenth number starting from the number 11.**

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
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

◆ **Colour every tenth circle blue, starting from the first one.**
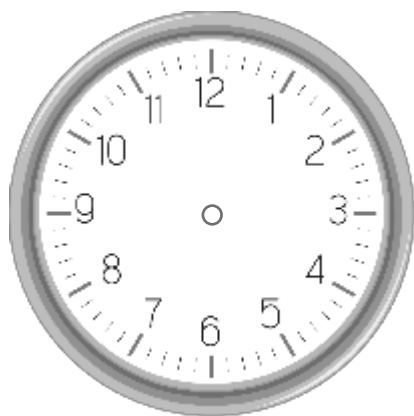**Colour the remaining circles yellow.**
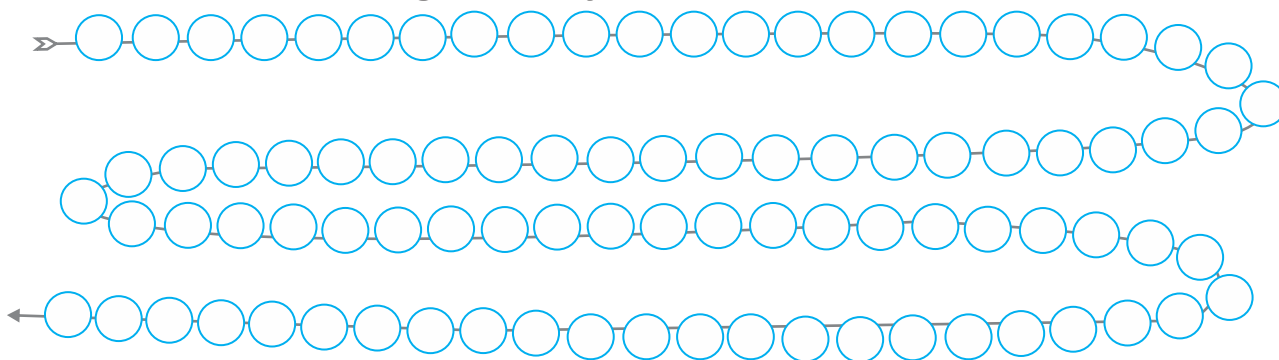
◆ **Read the clocks and write the time in the boxes.**

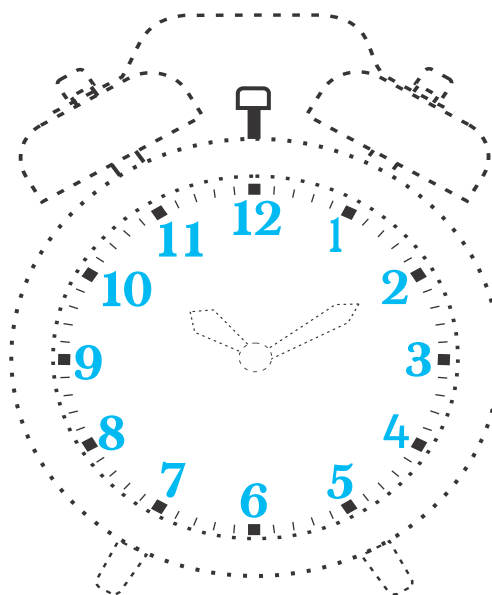◆ **Read the given time and draw hands of the clock accordingly.**

2 o'clock

5 o'clock

◆ **Join the dots to complete the drawing of clock. Also, colour it as you like.**

34 Coins and Notes

◆ **Match each coin or note with its value.**

₹ 5

₹ 100

₹ 50

₹ 2

₹ 10

◆ **Write the total value of money shown below.**

₹10 **+** ₹5 **+** ₹2 **=**

◆ **The boy wants to buy an ice-cream cone. Help him reach his money bank.**

MONEY BANK

35 Number 101 to 150
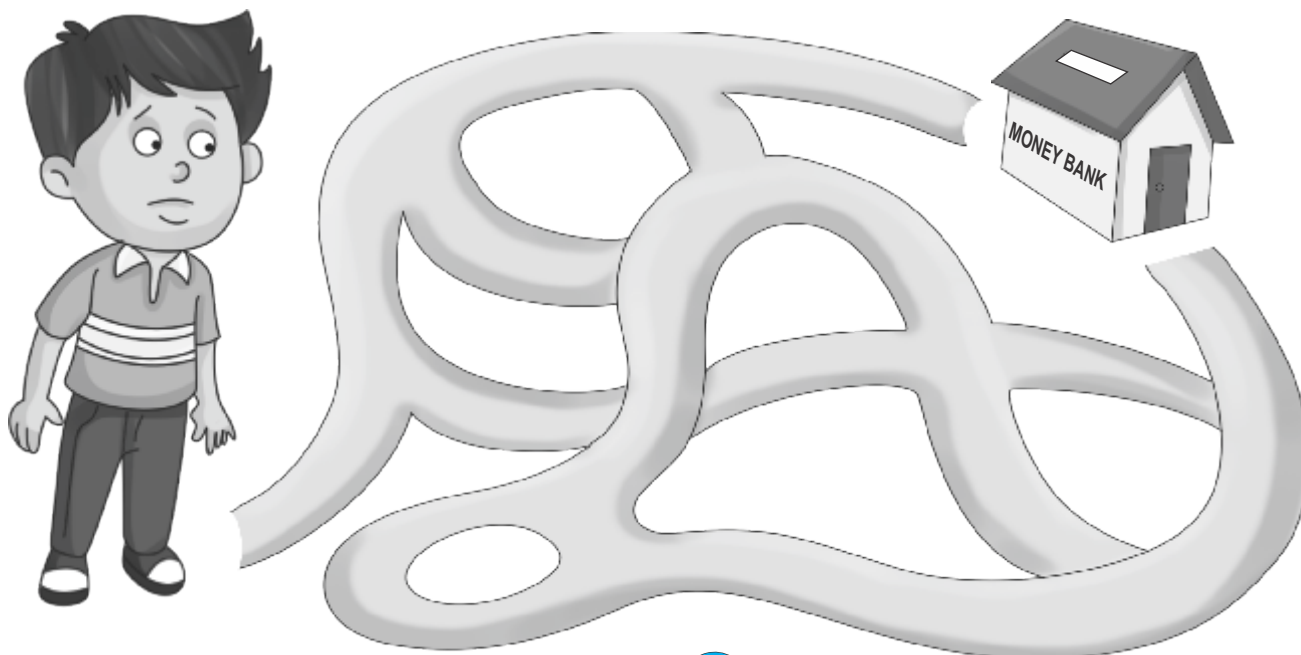
◆ **Point and say each number aloud.**

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

◆ **Count the crayons and write their numbers.**
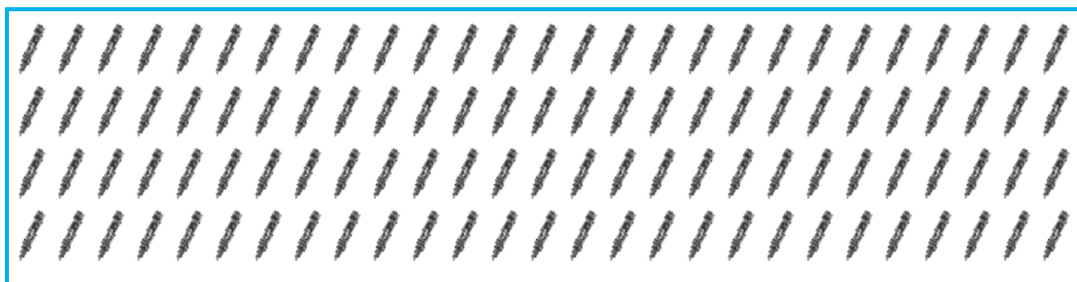
◆ **Write the missing numbers.**

- 121 122 __ 124 __ 126 127 __ __ 130

- __ 133 134 __ 136 137 __ 139 140 __

◆ **Point and say each number aloud.**

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

◆ **Count the crayons and write their numbers.**

→ ☐

→ ☐
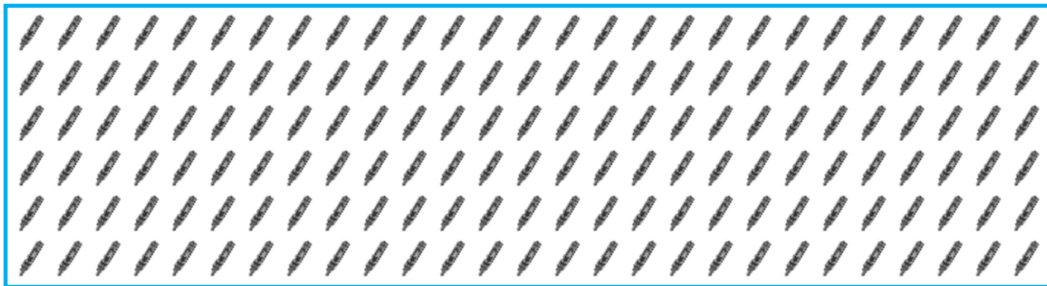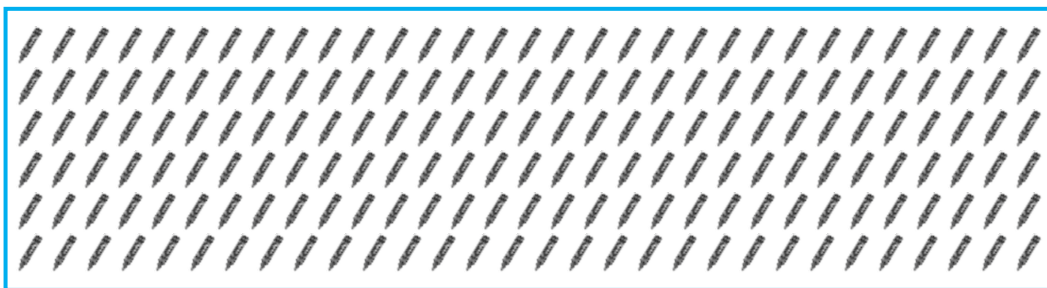
◆ **Write the missing numbers.**

- | 161 | | 163 | 164 | 165 | | 167 | | 169 | |

- | 186 | 187 | | 189 | | 191 | | | 194 | 195 |