



# HOLY FAITH PRESENTATION SCHOOL

RAWALPORA SRINAGAR KASHMIR

Contact No.: 0194-3565276

Winter Assignment

(Class – 3rd)

**Subject: Math**

**FA-1 & FA-2**

**FA-1**

## Chapter 1: Where to Look From

Do Page no. 2 to 12 yourself on book.

(To be done on notebook)

### Introduction to Different Kinds of Views

1. **Side View:** When a person views an object from the side instead of front or back.
2. **Front View:** When an object is viewed from the front by an observer.
3. **Back View:** When an object is viewed from the back by an observer.
4. **Top View:** When an object is viewed from the top by an observer.
5. **Bottom View:** When an object is viewed from the bottom by an observer.

### Rangoli Patterns:

1. We use Rangoli Patterns in Maths to find symmetry and reflection.
2. It can be done by joining the dotted lines on the dot grid to find symmetry and the reflection of different figures.
3. In mathematics, the rangoli symbols go on expanding to form a line and the basic geometrical shapes like the circle, triangle, square, rectangle and so on

### Mirror Halves

1. Mirror (or reflection) symmetry divides a figure or design into halves that are mirror images.
2. In other words, objects are the same on both sides of a line (usually in the middle).
3. Example of Mirror Halves are wings of Butterfly can be exactly get halved and Letter words like H, Y W X are the examples of Mirror halves as they can be exactly cut into two halves



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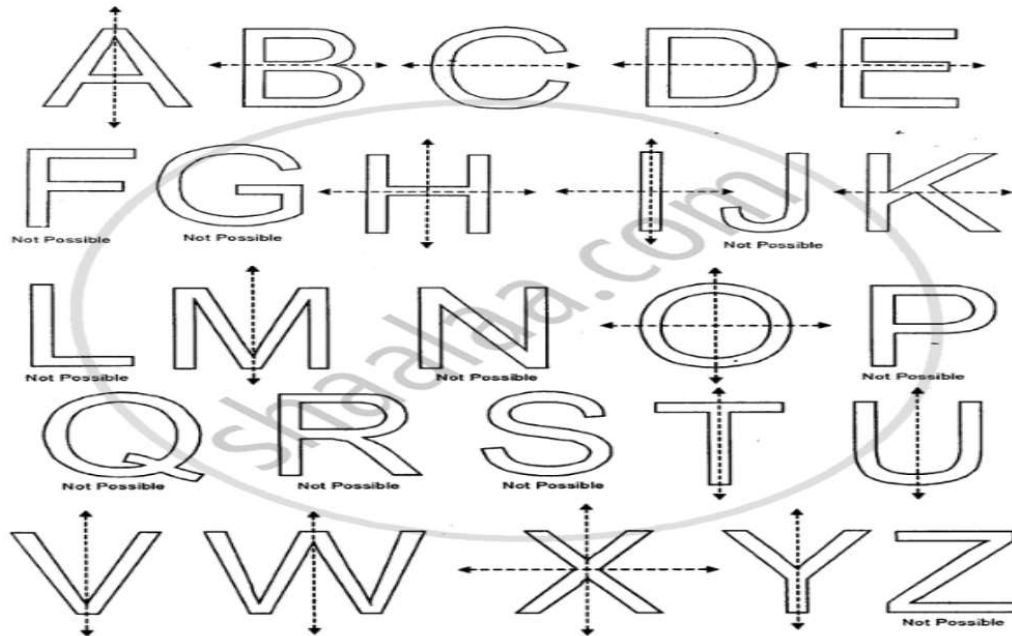
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Q.No.1: Write the line or lines of symmetry possible for the given alphabets.



Match the letters with their halves.

Column I

- (a)
- (b)
- (c)
- (d)
- (e)
- (f)

Column II

- (1)
- (2)
- (3)
- (4)
- (5)
- (6)



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Chapter: 2

Fun with Numbers.

**Definitions: (To be done on notebook)**

**1. Numbers:** A number is an arithmetic value expressed by a word, symbol or figure that represents a specific quantity and is used in counting and calculating.

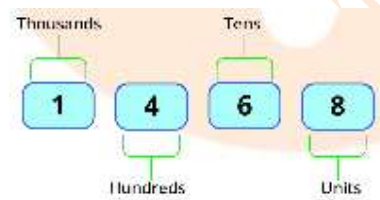
- Numbers can be single-digit numbers, two-digit numbers, three-digit numbers, and so on.
- Example: 4 and 5 are single-digit numbers. 34 and 99 are two-digit numbers whereas 897 and 100 are three-digit numbers.

## 2. Place Value of a Digit

Place value refers to the position or location of a digit in a number.

Units, tens, hundreds, thousands, ten thousand, and so on are the order of place value of digits of a number from right to left.

Example:



## 3. Pattern:

A pattern is a repeated arrangement of numbers, shapes, colours and so on. The Pattern can be related to any type of event or object.

**Do page no. 13 yourself on book.**

**Page no. 15: Dhoni's Century**

**See the picture on book.**

### Question 1

Dhoni scored  $96 + \underline{\quad\quad\quad} = 102$  runs.

Answer:

Dhoni scored  $96 + 6 = 102$  runs.



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## Question 2:

How many runs do these players need to complete a century?

### Answers:

	Runs Scored	Runs Needed to Complete a Century
Player 1	93	$100 - 93 = 7$
Player 2	97	$100 - 97 = 3$
Player 3	89	$100 - 89 = 11$
Player 4	99	$100 - 99 = 1$

Do page no. 16 yourself on book.

## Question 3 : page number 16

Oh! 206! Guess how many more to make a triple century?

### Answer:

Triple century means 300.

To make 300 runs,

$300 - 206 = 94$  more runs are required.

## Question 6: page number 17 (To be done on notebook)

Player	Score	Player	Score
A.P.J.	128	M.D.	178
A.S.	100	P.K.	105
C.K.	99	S.T.	141
D.M.	162	T.P.K.	112
K.S.P.	152	V.V.S.	127

### Fill in the blanks:

1. C.K. just missed his century. How many runs did he need to make a century? \_\_\_\_\_
2. \_\_\_\_\_ and \_\_\_\_\_ scored almost equal runs.



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3. \_\_\_\_\_ scored a complete century, no less, no more.
4. Most runs scored by any batsman are \_\_\_\_\_.
5. \_\_\_\_\_ and \_\_\_\_\_ have a difference of just 1 run between them.
6. \_\_\_\_\_ scored 2 more than one and a half century.

## Answers:

1. 1
2. A.P.J. and V.V.S. scored almost equal runs.
3. A.S. scored a complete century, no less, no more.
4. Most runs scored by any batsman are M.D.
5. A.P.J. and V.V.S. have a difference of just 1 run between them.
6. K.S.P. scored 2 more than one and a half century.

Do page no. 18 yourself on notebook and page number 19 on book.

**JUMPING ANIMALS. Page number 20. ( To be done on notebook)**

## Question 1:

Gabru, Bunny and Tarru are jumping all the way.

Gabru jumps on every 7th box, Bunny on every 5th box, and Tarru on every 4th box.

Gabru starts jumping from number 90.

Bunny starts jumping from number 99.

Tarru starts jumping from number 106.

Bunny's tenth jump is on number \_\_\_\_\_.

Tarru's tenth jump is on number \_\_\_\_\_.

Gabru's tenth jump will be on number \_\_\_\_\_.

Both Gabru and Bunny jump on numbers 104, \_\_\_\_\_, and \_\_\_\_\_.



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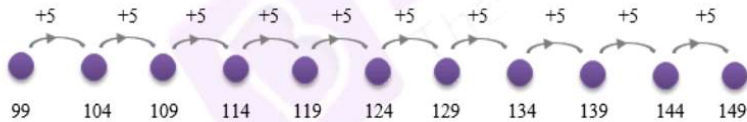
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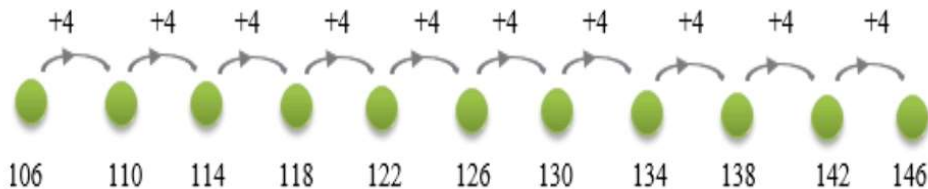
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Answer:

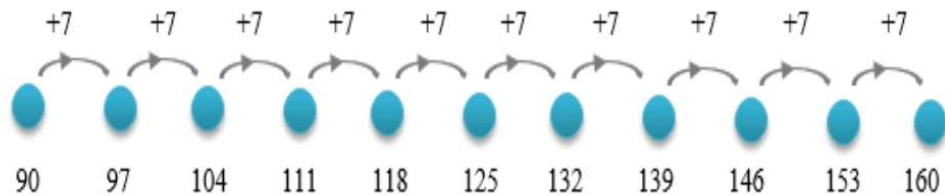
1. Bunny's tenth jump is on:  $99 + (10 \times 5) = 99 + 50 = 149$



2. Tarru's tenth jump is on:  $106 + (10 \times 4) = 106 + 40 = 146$ .

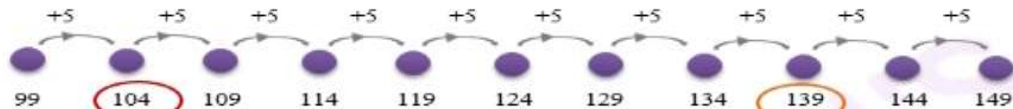


3. Gabru's tenth jump will be on:  $90 + (10 \times 7) = 90 + 70 = 160$ .

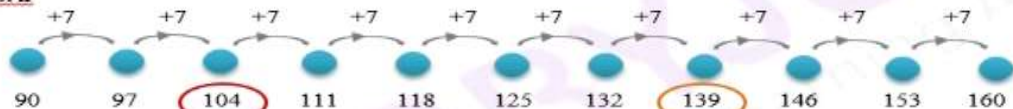


4. Gabru and Bunny both jump on numbers 104, 139 and 174.

**Bunny**



**Gabru**



Similarly, Bunny and Gabru will also jump on

Bunny: 149, 154, 159, 164, 169, 174

Gabru: 160, 167, 174

[Hint for you: The last box on the snake is 175. So, Bunny, Gabru and Tarru can jump on boxes till box number 175 only.]



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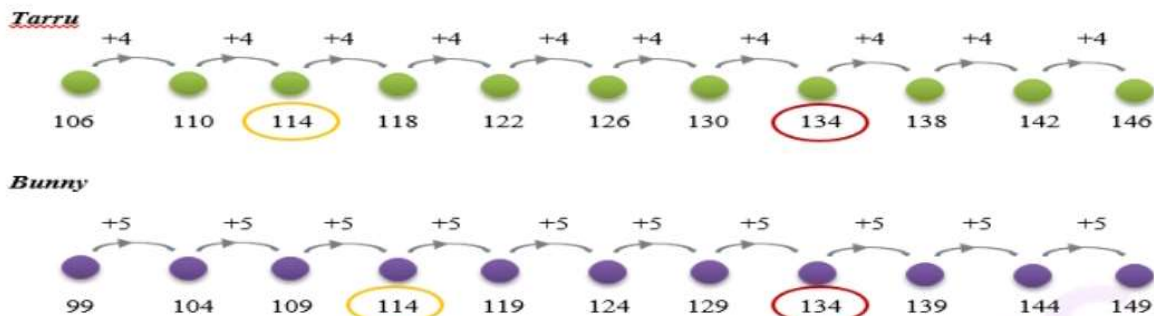
Question 2:

Find out:

1. Tarru and Bunny jump on numbers \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_.
2. Is there any number where both of them jump? \_\_\_\_\_
3. Guess who will finish in the least jumps? \_\_\_\_\_ In how many jumps? \_\_\_\_\_

Answers:

1. Tarru and Bunny jump on numbers 114, 134, and 174.



Similarly, they will also jump on

**Tarru:** 146, 150, 154, 158, 162, 166, 170, 174

**Bunny:** 149, 154, 159, 164, 169, 174

2. Yes, both Tarru and Bunny jump on 174.

Bunny: 99, 104, 109, 114, 119, 124, 129, 134, 139, 144, 149, 154, 159, 164, 169, 174

Tarru: 106, 110, 114, 118, 122, 126, 130, 134, 138, 142, 146, 150, 154, 158, 162, 166, 170, 174

3. Gabru: 90, 97, 104, 111, 118, 125, 132, 139, 146, 153, 160, 167, 174

Gabru will finish in the least jumps. In 12 jumps.

- Do page number 22 yourself on notebook.
- Do page number 23 to 28 yourself on book.



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Winter Assignment

(Class – 3rd)

FA-2

Chapter: 3

Give and take

Some terms related to topic. (To be done on notebook)

1. Addition: The addition is a mathematical operation that is used to add numbers.

- Addends are the numbers that are added, i.e., the numbers to which the addition operation is applied.
- The sum of the given numbers is the result of adding the addends.
- "+" means addition
- Other common words used in addition problems are add, plus, combine, together, total, in all, give, more than and increase.

$$\begin{array}{ccccc} \text{Addend} & & \text{Addend} & & \text{Sum} \\ \uparrow & & \uparrow & & \uparrow \\ 5 & + & 3 & = & 8 \end{array}$$

2. Subtraction: The operation or process of finding the difference between two numbers is known as subtraction. To subtract a number from another number is also referred to as 'taking away one number from another'.

- Minuend: A minuend is the number from which the other number is subtracted.
- Subtrahend: A subtrahend is the number which is to be subtracted from the minuend.
- Difference: A difference is the final result after subtracting the subtrahend from the minuend.
- Other common words used in subtraction problems are less than, reducing, take away, and decrease.

$$\begin{array}{ccccc} \text{Minuend} & & \text{Subtrahend} & & \text{Difference} \\ \uparrow & & \uparrow & & \uparrow \\ 13 & - & 4 & = & 9 \\ \text{Subtraction sign} & & \text{Equals} & & \end{array}$$

Page no. 29 (Bookwork)

Question 1: Fill in the blanks.

Answer: A jump from 2 to 12 is like taking 1 step.

Question 2: How many steps did I go in all?

Answer: 21 steps overall.





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Winter Assignment

(Class – 3rd)

Try these on Kittu's home. (Page no. 30)

Question 1: Fill in the blanks. (To be done on notebook)

Answer:

a) 10 less than 34 is 24.

$$34 - 10 = 24$$

b)  $53 - 20 = 33$

c) 11 more than 31 is 42.

$$31 + 11 = 42$$

d) 11 less than 66 is 55.

$$66 - 11 = 55$$

e)  $62 + 13 = 75$

f) 23 less than 89 is 66.

$$89 - 23 = 66$$

g) 10 and 40 more is 50.

$$40 + 10 = 50$$

h) 9 added to 28 gives 37.

$$28 + 9 = 37$$

i) The sum of 9 and 44 is 53.

$$44 + 9 = 53$$

j) Reducing 98 by 34 gives 64.

$$98 - 34 = 64$$

k) 4 and 37 more is 41.

$$37 + 4 = 41$$

l) Take 35 away from 83. We get 48.

$$83 - 35 = 48$$

FIND MY FOOD (Page no.31, 32)



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Fill in the blanks. (To be done on notebook)

Answer:

1.  $37 + 9 = 46$

2.  $62 + 30 = 92$

3.  $62 - \underline{\hspace{2cm}} = 43$

$62 - 43 = 19$

4.  $45 + \underline{\hspace{2cm}} = 99$

$99 - 45 = 54$

5.  $\underline{\hspace{2cm}} + 26 = 75$

$75 - 26 = 49$

6.  $\underline{\hspace{2cm}} - 21 = 35$

$35 + 21 = 56$

7.  $\underline{\hspace{2cm}} = 46 + 28$

$46 + 28 = 74$

8.  $\underline{\hspace{2cm}} = 87 - 14$

$87 - 14 = 73$

9.  $36 = \underline{\hspace{2cm}} + 9$

$36 - 9 = 27$

10.  $40 + \underline{\hspace{2cm}} = 74$

$74 - 40 = 34$

11.  $100 = \underline{\hspace{2cm}} + 50$

$100 - 50 = 50$

12.  $57 - \underline{\hspace{2cm}} = 20$

$57 - 20 = 37$

(Bookwork)



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Winter Assignment

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**ADDING MADE EASY (Do Page number 33 Yourself on Book)**

**Fill in the blanks. (Page number 35) (To be done on notebook)**

Answer:

1.  $33 + 42 = 75$

2.  $19 + 61 = 80$

3.  $90 = 48 + 42$

4.  $60 = 33 + 27$

5.  $97 = 34 + 63$

6.  $117 = 53 + 64$

7.  $55 + 25 = 80$

8.  $67 + 25 = 92$

9.  $72 + 56 = 128$

**Word problems. (Page number 40) (To be done on notebook)**

Question A: A train compartment is carrying 132 people. Another compartment is carrying 129 people. In all, how many people are there in both the compartments?

Answer: Number of people in first compartment = 132

Number of people in second compartment = 129

Total number of people in both the compartments

$$= \begin{array}{r} 132 \\ + 129 \\ \hline \end{array}$$

261 people are there in total.

**Question B: Shanu found 138 pebbles. Karim found 44 pebbles. How many pebbles did they find in all?**

Answer: Number of pebbles Shanu found = 138

Number of pebbles Karim found = 44

Number of pebbles they find in all =

$$\begin{array}{r} 138 \\ + 44 \\ \hline \end{array}$$

182 pebbles in total.



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Winter Assignment

(Class – 3rd)

**Question C:** A teacher kept a note of which fruits students like in her school. This is what she found:

Students	Oranges	Mangoes	Total
Girls	136	240	
Boys	128	243	
Total			

Find out:

- (a) How many students in the school like oranges?
- (b) How many students in the school like mangoes?
- (c) Altogether, how many students are there in the school?
- (d) Is the number of girls more than 350 or less than 350?

Answers:

(a) Number of students who like oranges =  $136 + 128 = 264$

(b) Number of students who like mangoes =  $240 + 243 = 483$

(c) Total number of students in the school = Total number of girls + Total number of boys

$$= (136 + 240) + (128 + 243)$$

$$= 376 + 371$$

$$= 747$$

(d) Number of girls =  $136 + 240 = 376$

Thus, the number of girls is more than 350.

- Do page number 42 yourself on notebook.

**Book work.**

**Do Page no. 43, 44 and 45 Yourself on Book.**



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Winter Assignment

(Class – 3rd)

Chapter: 4

Long and short

**Some important points related to topic: (To be done on notebook)**

1. In math, "long" and "short" are adjectives used to describe the measurement of something, such as length, height, or time:

**Long:** Used to describe something that is large or measures very big.

**Short:** Used to describe something that is less or not so big

2. **Units of measurement** for length and distance include millimeters, centimeters, meters, and kilometers.

3. 1 cm = 10mm

4. 1 metre = 100 CM

5. 1km = 1000m

6. **Unit:** The known quantity which is used in measurement is called a unit.

0	1	2	3	4	5	6
1st	2nd	3rd	4th	5th	6th	

- Here are 6 units, 1, 2, 3, 4, 5 and 6.
- If you jump from 0 to 1 or 1 to 2 or 2 to 3, it will be 1 unit.
- The object which used more units is long.
- The object which used fewer units is short.

## Bookwork

(Page no. 46)

**Question 1:** Measure your arm and your mother's arm. What is the difference?

Answer: My arm is shorter than my mother's.

**HOW MANY? (Page no. 47)**

**Question 1:** In how many steps will Dorji cross the road?

Answer: Dorji might cross the road in 6 steps.

**Question 2:** How many cups can be placed in a line on this table?

Answer: Around 8 cups can be placed in a line on this table.

**Question 3:** How many pots can be placed to reach the tree branch?

Answer: 6 pots can be placed to reach the tree branch.



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Winter Assignment

(Class – 3rd)

**Question 4: How many shirts can be hung on this wire?**

Answer: Three shirts can be hung on this wire.

**HOW MUCH IS A CENTIMETRE (cm)? (Page no. 48)**

**Question 1:** **Fill in the blanks**

Answer:

- The leaf is 4 centimeters long
- The wax colour is 7 centimeters long.
- Now, look at a scale that you find in a geometry box. How many centimeters does it have? 15 cm

**Question 2: What are the little lines on the scale used for?**

Answer: The little lines on the scale are used to measure smaller objects with precision.

**Do page number 51, 52, 54, 55 yourself on book.**

**(To be done on notebook)**

**Question 1 :** **Look for things that are**

- (i) About 10 centimeters long**
- (ii) Between 10 and 20 centimeters long**
- (iii) Less than 1 cm long.**

**Answer:**

- (i) Mobile phone, comb, coffee mug.
- (ii) Lunchbox, water bottles, ruler.
- (iii) Ant, mosquito, termites.

**Q.no.2: Which of these will be in centimeters, and which will be in metres?**

- Width of a computer screen – centimetres
- Length of a Pagdi worn by Sikhs – metres
- Height of a 1-year old child – centimetres
- Length of a banana – centimetres
- Waist of an elephant – metres
- Height of sugarcane – metres
- Depth of a well – metres
- Height of your mother – metres



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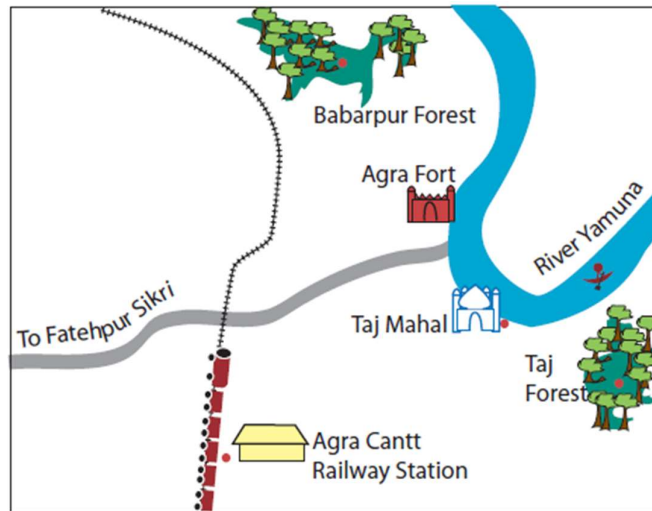
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Winter Assignment

(Class – 3rd)

- Distance from classroom to school gate – metres
- Length of your father's arm – centimetres

## Q. No. 3: TRIP TO AGRA



(i) Which is farther from Agra Cantt. Railway Station — Taj Mahal or Fatehpur Sikri?

(ii) Which of these is nearer to the railway line:

- Babarpur forest or Taj forest?
- Agra Fort or Taj Mahal?

(iii) Which is closer to the river Yamuna: Taj Mahal or the Railway Station?

Answer:

(i) Fatehpur Sikri is farther from Agra Cantt. Railway Station than Taj Mahal.

(ii) (a) Babarpur Forest is nearer to the railway line.

(b) Agra Fort is nearer to the railway line.

(iii) Taj Mahal is nearer to the river Yamuna.



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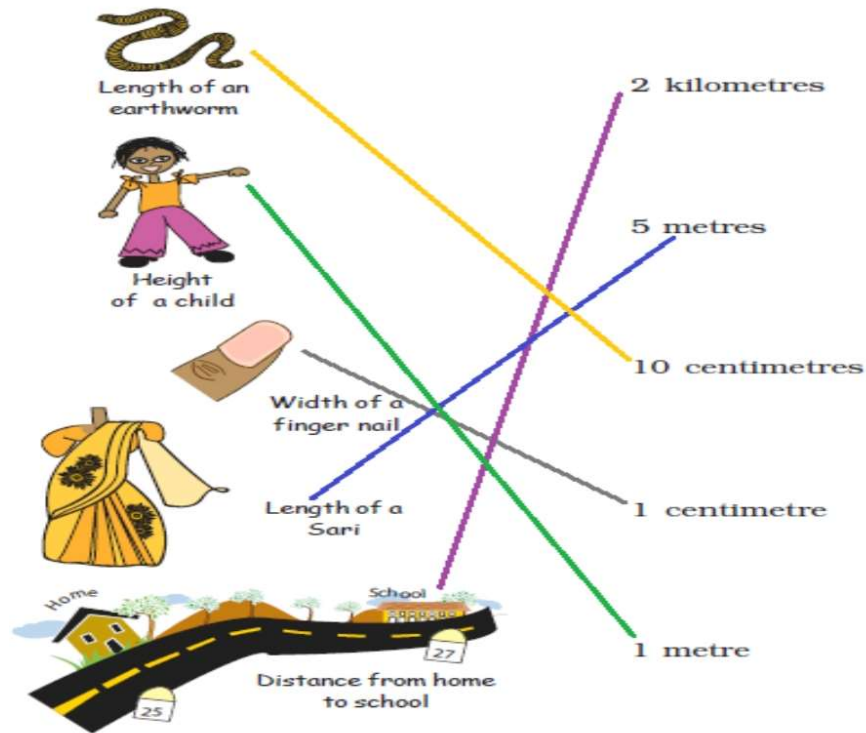
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Winter Assignment

(Class – 3rd)

Q.no.4: Match the correct length



Q.No.5: Write and learn tables from 2 to 6. (Do Yourself on Note Book)