

Class 5
Model Question Paper Subject Mathematics

Time: 3:00 Hours

Maximum Marks - 50

Q.1 Choose the right answer from the given options.

(10 x 1 =10)

I) What is the value of 9 in the number 94,347?

- ☐ 9
- ☐ 900
- ☐ 90000
- ☐ 900000

II) Put a tick (✓) against the fractions that are equivalent.

- ☐ $\frac{2}{3}$ and $\frac{3}{4}$
- ☐ $\frac{3}{5}$ and $\frac{6}{10}$
- ☐ $\frac{4}{12}$ and $\frac{2}{6}$
- ☐ $\frac{6}{9}$ and $\frac{1}{3}$

III) The difference between 77,771 and 777 is.....

- ☐ 76998
- ☐ 76996
- ☐ 76994
- ☐ 78548

IV) Which statue is the tallest among the following

- ☐ Statue of Liberty (93m)
- ☐ The Motherland Calls (91m)
- ☐ Spring Temple Buddha (128m)
- ☐ Statue of Unity (182m)

V) My opposite angles are equal, but my sides do not make a right angle. What am i ?

- ☐ Square
- ☐ Rectangle
- ☐ Triangle
- ☐ Rhombus

VI) If 5kg of apples cost ₹ 85 then the cost of 10 kg of apples is

- ☐ ₹ 850
- ☐ ₹ 500
- ☐ ₹ 425
- ☐ ₹ 170

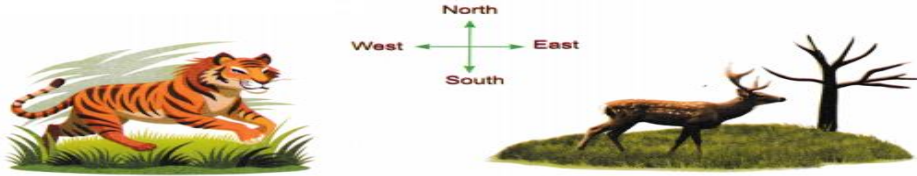
VII) Which formula is used to find the perimeter of a rectangle having length (l) and Breadth (b)?

- ☐ $l \times b$
- ☐ $l + b$
- ☐ $2 (l \times b)$
- ☐ $2 (l + b)$

VIII) How many minutes and seconds are there in 225 seconds?

- ☐ 4 minutes 45 seconds
- ☐ 3 minutes 45 seconds
- ☐ 4 minutes 15 seconds
- ☐ 3 minutes 15 seconds

IX) If the tiger wants to catch the deer and make a jump, in which direction should he jump



- ☐ North
- ☐ South
- ☐ West
- ☐ East

X) The marks (out of 10) obtained by 28 students in Mathematics test are follow

8, 1, 2, 6, 5, 5, 5, 0, 1, 9, 7, 8, 0, 5, 8, 3, 0, 8, 10, 10, 3, 4, 8, 7, 8, 9, 2, 0

The number of students who obtained more than or equal to 5 is...

- ☐ 13
- ☐ 15
- ☐ 16
- ☐ 17

Q.2 Write 'T' for true or 'F' for false:

(5 × 1=5)

- i) Kilo stands for thousand. This unit is used to measure long distance. ☐
- ii) Regular triangle when fitted around a point leave gape and there is no overlap. ☐
- iii) A 2 litre bottle contains 2000 ml of liquid. ☐
- iv) 9:45 pm in 24-hour format is 21:45 hours. ☐
- v) The sun sets in the East. ☐

Q.3 Fill in the blanks

(5 × 1=5)

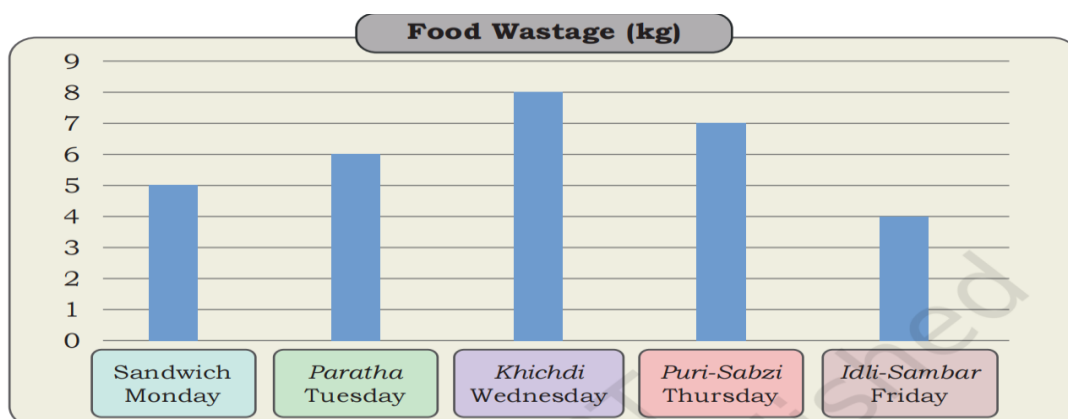
- i) 14,075 ml = _____ ltr _____ ml.
- ii) The minute hand takes _____ minutes to complete one round.
- iii) An equilateral triangle has _____ equal sides.
- iv) 432 cm = _____ mm.
- v) When the minute hand moves by 15 minutes, it has made a _____ turn of the circle.

Q.4 Match the following:**(5×1=5)**

Column A	Column B
1. Horizontal mirror line across on rectangle	A) $7/10$
2. Vertical mirror line across the letter A	B) Telly marks
3. $4/10 + 3/10$	C) Reflective symmetry from top to bottom
4. Group of five vertical/diagonal counts	D) Pictograph
5. Representing collected data with image	E) Reflective symmetry from left to right

Q.5 Read and answer the following questions**(5 x 1 =5)**

- Write the number name and use the commas as required according to Indian number system for given number: 45867
- A cyclist can cover 15 km in one hour. How much distance will she cover in 4 hours, if she maintains the same speed?
- Which letters have both vertical and horizontal line symmetry: E, N, X, T, P, O, V, H.
- Find the area of a square-shaped field whose side is 8 m.
- Observe the graph given below and answer the question:



How much total food wastage was recorded on all days?

Q.6 Solve the following:**(5x3=15)**

- I. A rabbit and frog are jumping along a numbered log track starting from position 0. the rabbit takes long jump of 7 steps at a time, while the frog takes jumps of 3 steps at a time.
- Find the very first step number greater than 0 where both animals will land on the exact same spot.
 - How many jumps does the frog need to make to reach his first common spot.
- II. A truck can carry 8,250 kg of goods. A factory loads 3,675kg of cement and 2,850kg of steel on it.
- What is the total weight loaded onto the truck?
 - How much more weight can the truck carry before reaching its maximum capacity?
- III. Ananya is watching Republic Day celebrations on the city's public ground. There are 12 rows of students sitting in front of her and 17 rows behind her. There are 18 students to her right and 22 students to her left.
- How many rows of students are there in total?
 - How many students are there in Ananya's row?
 - What is the total number of students on the ground?
- IV. A teacher gives ₹ 3600 equally to 6 students as prize money.
- How much does each student get?
 - What will happen if he distributes the same amount of money among 12 students? Will each student get more or less?
- V. Amit took 4 pieces of $\frac{1}{2}$ pizza. His brother 3 pieces and his mother took 6 pieces of $\frac{1}{2}$ pizza. Use a number line to find out how many pizza were taken by each of them?

Q .7 Read the statements and solve them.**(3+2=5)**

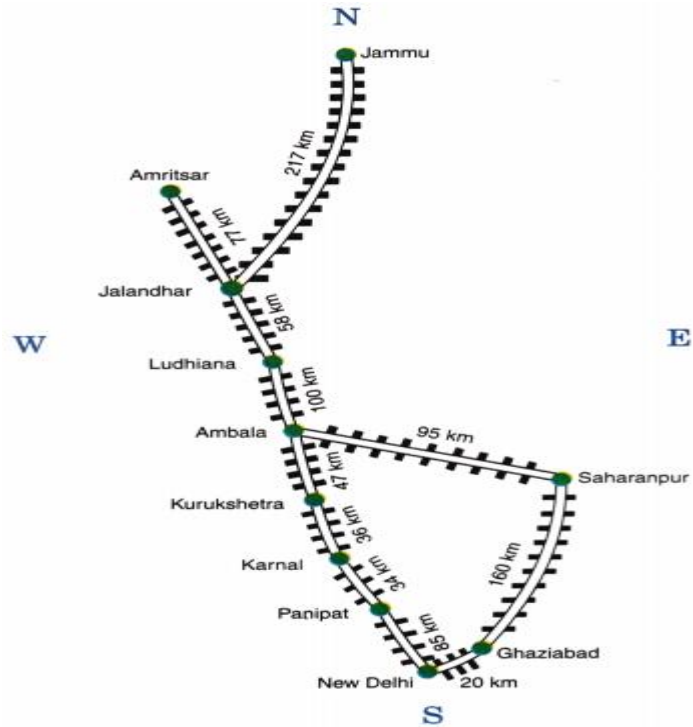
A) Imagine you are programming a small robot tracker on a flat floor workspace. The robot always starts by facing the North. Follow the movement instruction below to draw its path and chart its structure angles.

- Step 1:** the robot moves straight forward for 5 cm, heading north
- Step 2:** it stops and makes a quarter-turn ($\frac{1}{4}$)clockwise, then move straight forward for 5 cm
- Step 3:** it stops again and makes a half turn($\frac{1}{2}$), then move straight forward for 2 cm and stop.

Task for students

- Draw a continuous line path showing the complete journey of Robert with label your starting point **S** and final resting point as **E**.
- On your drawn diagram, make the turning corners with small angles arcs. Write down the name of the geometric angle formed at **step 2**.
- Look at the robot's final position after completing **step 3**. Which geographic direction is the robot facing now? explain how you calculate the turn?

B) Look at the railway map below and answer the question that follow:



- How far is New Delhi from Jammu?
- Ambala is towards which direction of Saharanpur? And by how much?

Question paper structure class 5 subject Math for sample paper

Question number	Question Type	Number of Question	Marks per Question	Total marks	Cognitive Dimensions
1	Multiple choice Question (MCQ)	10	1	10	Knowledge/ understanding
2	True False	5	1	5	knowledge
3	Fill in the blanks	5	1	5	understanding
4	Match the Following	5	1	5	understanding
5	Very short answer question	5	1	5	understanding
6	Short Answer Question	5	3	15	Application
7	Long Answer Question	1 (A+B)	5 (3+2)	5	Skill
	Total	36		50	

Knowledge 20%	Understanding 40%	Application 30%	Skill 10%
10 Questions of 1 mark each	20 Questions of 1 mark each	5 Questions of 3marks each	1 Question (A+B)
$10 \times 1 = 10$ marks	$20 \times 1 = 20$ marks	$5 \times 3 = 15$ marks	5 marks (3+2)
10 marks	20 marks	15 marks	5 marks
Total 50 marks			

Blueprint Chapter-wise Weightage & Type Distribution class 5 subject Math for sample paper

Chapter Name	MCQ (1)	T/F (1)	Fills (1)	Match (1)	VSA (1)	SA (3)	LA (3+2)	Total Marks
Ch 1: We the Travellers—I	1	-	-	-	2	-	-	3
Ch 2: Fractions	1	-	-	-	-	1	-	4
Ch 3: Angles as Turns	-	-	1	-	-	-	1* Part (A)	4
Ch 4: We the Travellers—II	1	-	-	-	-	1	-	4
Ch 5: Far and Near	1	1	1	-	-	-	-	3
Ch 6: The Dairy Farm	-	-	-	-	-	1	-	3
Ch 7: Shapes and Patterns	1	1	1	-	-	-	-	3
Ch 8: Weight and Capacity	1	1	1	-	-	-	-	3
Ch 9: Coconut Farm	-	-	-	-	-	1	-	3
Ch 10: Symmetrical Designs	-	-	-	2	1	-	-	3
Ch 11: Grandmother's Quilt	1	-	-	1	1	-	-	3
Ch 12: Racing Seconds	1	1	1	-	-	-	-	3
Ch 13: Animal Jumps	-	-	-	-	-	1	-	3
Ch 14: Maps and Locations	1	1	-	-	-	-	1*Part (B)	4
Ch 15: Data Through Pictures	1	-	-	2	1	-	-	4
TOTAL	10	5	5	5	5	5	1*	50