

**CLASS 5 MATHEMATICS | SAMPLE QUESTION PAPER 2**

**YEARLY EXAMINATION**

Marks: 50

Time: 2 hrs

**Fill in the blanks. (1 mark)**

1. Highest factor of 14 is -----
2. The place value of 4 in 12.45 is -----
3. 2 rupees 50 paise can be expressed as-----
4. The area of a square having 3 cm length is -----

**Answer the following (2 mark)**

5. Find the area and perimeter of a square of side 10 cm.
6. In a library, 2660 books are arranged in different shelves. If there are 14 books in a shelf, how many shelves are there?
7. Find the LCM of 12 and 15.
8. Add the following  
 $2.5 + 31.75 + 20.25$
9. Draw the floor map of your school library.
10. Observe the following patterns and complete the series.
  - a) 750, 700, 650, 600, ---, ---, ----, ----
  - b) 0.25, 0.5, 0.75, 1, ---, ---, ---, ----
11. Find the volume of a cuboid whose length, breadth and height are 13 cm, 7 cm and 12 cm respectively.

**Answer the following (3 mark)**

12. Nanda's father has Rs 3000. He bought a frock for Rs 1550.50. How much money was left with him?
13. A rectangular garden is of length 7m and breadth 5m. Find the cost of fencing the garden at the rate of Rs 30 per metre.
14. Find the volume of a cube of side 5 cm and a cuboid of side 5 cm by 6 cm by 7 cm. Which has greater volume?
15. The price of soap is Rs 35.75. If Arjun has four 5 rupee coin, 8 two rupee coins and 2 half rupee coins. Write in rupees what money he will get back?

16. A tray can hold 12 bottles. How many trays are required to keep 600 bottles?

17. Classify the following angles as acute, obtuse and right angle.

a)  $115^\circ$  b)  $45^\circ$  c)  $170^\circ$  d)  $30^\circ$  e)  $90^\circ$  f)  $2 \times 45^\circ$

18. Fill this square using all the numbers from 25 to 33.

Rule: The total of each side is 87.

	25	
27		
	33	26

19. A bag of cement weighs 95 kg. Find the total weight of cement in 156 such bags?

**Answer the following (4 mark):**

20. A rectangular room is 12 m length and 10m breadth. Find the cost of tiling the room at the rate of Rs 45 per metre.

21. Raju walked 9.68 km on Monday, 7.05 km on Tuesday and some distance on Wednesday. If he walked 25 km in three days, how much distance did he walk on Wednesday?

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Answers:

- 14
- $\frac{1}{10}$
- 2.50 rupees
- 9 square cm
- Length of a side of square = 10 cm  
Area = side x side =  $10 \times 10 = 100$  square cm  
Perimeter =  $4 \times \text{side} = 4 \times 10 = 40$  cm
- Total number of books in the library = 2660  
Number of books in one shelf = 14  
Number of shelves =  $2660 \div 14 = 190$
- To find LCM of 12 and 15

2	12	15
2	6	15

$$\begin{array}{r}
 3 \quad 3 \quad 15 \\
 \hline
 5 \quad 1 \quad 5 \\
 \hline
 1 \quad 1
 \end{array}$$

$$\text{LCM} = 2 \times 2 \times 3 \times 5 = 60$$

8. 2.50+

31.75

20.25

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54.50

9. Do yourself.

10.a) 550,500,450,400.....

b) 1.25, 1.50, 1.75, 2.....

11. Volume =  $l \times b \times h = 13 \times 7 \times 12 = 1092$

12. The amount that Nandana's father has =Rs 3000

Cost of a frock = 1550.50

Money left with him =  $3000 - 1550.50 = 1449.50$

13. Given length=7m and breadth = 5m

Perimeter of a rectangle =  $2(\text{length} + \text{breadth}) = 2(7 + 5) = 2 \times 12 = 24 \text{ m}$

Cost of fencing at the rate of Rs 30 per meter =  $24 \times 30 = \text{Rs } 720$

14. Volume of a cube =  $l^3 = 5 \times 5 \times 5 = 125 \text{ cubic cm}$

Volume of a cuboid =  $l \times b \times h = 5 \times 6 \times 7 = 210 \text{ cubic cm}$

So cube has greater volume.

15. The price of a soap = Rs 35.75

The amount that Arjun has = Four 5 rupee coins + Eight 2 rupee coins +Two half rupee coins

$$= 4 \times 5 + 8 \times 2 + 2 \times \frac{1}{2} = 20 + 16 + 1 = 37$$

The amount he will get back =  $37 - 35.75 = \text{Rs } 1.25$

16. The number of bottles that a tray can hold = 12 bottles

Number of trays required to keep 600 bottles =  $600 \div 12 = 50$

17. Acute angles:  $45^\circ, 30^\circ$

Obtuse angles:  $115^\circ, 170^\circ$

Right angles:  $90^\circ, 2 \times 45^\circ$

18.

32	25	30
27	29	31
28	33	26

19. The weight of a cement bag = 95 kg

Total weight of 156 such bags =  $156 \times 95 = 14820\text{kg}$

20. Given length = 12m

Breadth = 10m

Area =  $l \times b = 12 \times 10 = 120$  square m

Cost of tiling =  $120 \times 45 = \text{Rs } 5400$

21. Distance walked on Monday = 9.68 km

Distance walked on Tuesday = 7.05 km

Total distance travelled in 3 days = 25 km

So distance travelled on Wednesday =  $25 - (9.68 + 7.05) = 25 - 16.73 = 8.27$  km

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