

MATHEMATICSMARKS=100

1. Tick(✓) the correct option in the following parts, each carries 2 marks ( 10 X 2 = 20 )

- (i) The smallest four digit number having distinct digits is  
 (a) 1234      (b) 1023      (c) 1002      (d) 3210.
- (ii) Ria eats  $\frac{4}{7}$  of a pizza. The fraction of the pizza left with her is  
 (a)  $\frac{3}{7}$       (b)  $\frac{2}{7}$       (c)  $\frac{5}{7}$       (d)  $\frac{1}{7}$ .
- (iii) If the perimeter of a square is 50cm, then its side is  
 (a) 200cm      (b) 150cm      (c) 25cm      (d) 12.5cm.
- (iv) Sixty three thousandths is equal to  
 (a) 0.63      (b) 0.603      (c) 0.063      (d) 0.630.
- (v) Round the number 5389 to the nearest hundred is.  
 (a) 5300      (b) 5400      (c) 5200      (d) 5000.
- (vi) A room is 7m long , 5m broad and 8m high, then the volume of this room is  
 (a) 20cubic cm      (b) 280cubic cm      (c) 280cubic m      (d) 91cubic m.
- (vii) The difference between the place value and the face value of **5** in 70542 is  
 (a) 0      (b) 42      (c) 495      (d) 537.
- (viii) On dividing a number by 98 , we get 45 as quotient and 5 as remainder, then the number will be  
 (a) 4415      (b) 4425      (c) 4435      (d) 4445.

- (ix) Which of the following statement is false?
- (a) A triangle has 3 sides                      (b) A triangle has 3 angles  
(c) A triangle has 3 vertices                (d) A triangle has 2 diagonals.
- (x) If 7 pencils cost Rs 35, then the cost of one dozen pencils is
- (a) Rs60                      (b) Rs70                      (c) Rs30                      (d) Rs5 .

**All the questions from Q2—Q9 carry 4 marks each ( 8 X 4 = 32 )**

2. Dev takes  $2\frac{2}{3}$  minutes to walk across the ground. Rahul takes  $2\frac{1}{4}$  minutes to do the same. Who takes less time?

3. If a rail journey of 184km costs Rs230, how much should a journey of 525km cost?

4. Neena bought a book worth Rs34.60 from a bookseller. She bought 4 books and gave a 500 rupee note to shopkeeper , how much balance did she get back?



9. A room is 5m long and 3m50cm wide. How many square metres of carpet is needed to cover the floor of the room completely.

**All the questions from Q10----Q17 carry 6 marks each ( 8 X 6 = 48 )**

10. Medicines are packed in boxes , each weighting 4kg500g. How many such boxes can be loaded in a van which cannot carry beyond 800kg?

11. A metal cuboid is of dimensions 50cm , 10cm and 20cm. If the weight of 1 cubic cm of the metal is 8gm, find the weight of metal cuboid in kg.

12. Construct a triangle ABC with  $AB = 4.5\text{cm}$ , angle  $B = 120^\circ$  and  $BC = 6\text{cm}$ . Measure side AC. (use scale and compass for an angle)
13. To stitch a shirt,  $2\text{m } 15\text{cm}$  cloth is needed. Out of  $40\text{m}$  cloth, how many shirts can be stitched and how much cloth will remain?
14. If the area of a rectangular plot is  $240\text{ sq m}$  and its breadth is  $12\text{m}$ , then find the perimeter of the plot.

15. Ravi purchased 5kg 400g rice , 23kg20g sugar and 10kg 85g floor. Find the total weight of his purchase.

16. Simplify :  $3\frac{5}{6} + 4\frac{3}{4} - 5 - 1\frac{3}{8}$ .

17. Rani runs around a rectangular park with length 80m and breadth 55m, while Madhu runs around a square park of side 75m. Who covers more distance and by how much?