

Class 6 Mathematics Sample Paper 1

Time: 3 Hours **Maximum Marks:** 80

Instructions: Attempt all questions. No calculators. Show working where required.

Section A (MCQs)

1. The place value of 5 in 45,672 is: (a)5000 (b)500 (c)50 (d)5
2. Which is a prime number? (a)21 (b)29 (c)39 (d)49
3. $\frac{3}{4} + \frac{1}{4} =$ ____
4. A right angle measures ____ degrees.
5. The perimeter of a rectangle is ____.

Section B (Very Short Answer)

6. Write the factors of 36.
7. Find LCM of 8 and 12.
8. Simplify: $245 + 378$.
9. Convert 2.5 km into metres.
10. Draw a line segment of 6 cm.

Section C (Short Answer)

11. Solve: $4567 - 2895$.
12. Multiply 248×36 .
13. Divide 864 by 12.
14. Compare $\frac{3}{5}$ and $\frac{2}{3}$.
15. Find the area of a rectangle of length 12 cm and breadth 7 cm.
16. A shopkeeper sold 25 notebooks at ₹18 each. Find the total amount.

Section D (Long Answer)

17. A train travelled 248 km on Monday, 315 km on Tuesday and 289 km on Wednesday. Find the total distance and the average distance per day.
18. A garden is 35 m long and 18 m wide. Find its perimeter and area.
19. A water tank contains 850 L of water. 275 L is used and 190 L is added. How much water is left?

Section E (Higher Order Thinking)

20. Create two different fractions equivalent to $\frac{5}{8}$ and explain your method.
21. A square and a rectangle have the same perimeter of 40 cm. Compare their areas.

Syllabus Checklist

Questions cover: Knowing Our Numbers, Whole Numbers, Playing with Numbers, Basic Geometrical Ideas, Understanding Elementary Shapes, Integers (intro), Fractions, Decimals, Data Handling, Mensuration, Algebra (basic patterns), Ratio (intro), Practical Word Problems.