## Section A: Each question carries 1 mark

1. Find the reciprocal of $4\frac{1}{5}$.

2. Write the number in decimal form: $\frac{428}{10}$

3. Subtract: 9.7 - 4.5

4. In the decimal number 18.75, what is the integral part?

5. Find the product: 0.5×0.2×0.3

6. Name the line segment that divides a circle into two equal halves

7. Given that the radius of a circle is 7cm, find its circumference.

8. Find the number of halves in $10\frac{1}{2}$ .

9. State whether the following statement is true or false:
   The number of radii in a circle is infinite.

10. State whether the following statement is true or false:
    The reciprocal of a mixed number may or may not be a proper fraction.

11. Find the sum: $\frac{1}{3} + \frac{1}{6}$

12. What is $\frac{3}{4}$ of 16 equal to?

13. The multiplicative inverse of $\frac{4}{11}$ as a mixed number would be ____?

14. Define: Arc of a circle.

15. Sketch an example of an acute angle, measure it and write the measurement.

## Section B: Each question carries 2 marks

1. Divide: by $\frac{5}{6}$ by 5.

2. Multiply: $2\frac{1}{3}$ by 4.

3. Determine the common factor of the numbers 35 and 49.

4. Multiply: 0.6×8 and 0.7×6

5. Find the sum of: Rs 4.50 + Rs 9.45 + Rs 10.05

6. Expression the following decimal numbers as a fractions in their lowest terms:
   0.44 and 0.285

7. Simplify the expression:
   $35 + 12 - 4 \times 6 \div 3$

8. Arrange the following roman numerals in ascending order:
   XL, C, XC, X, XV, V, XXXIII, XCV

9. Find the product: 148 × 25

10. Find the quotient: 90.72 ÷ 12

## Section C: Each question carries 4 marks

1. The sum of two numbers is 45,27,803. If one of them is 9,78,547, find the other number. Also compare the two numbers added.

2. The H.C.F. of two numbers is 18 and the L.C.M. of the two numbers is 108. If one of the numbers is 36 then find the other number.

3. Draw a circle of radius 4 cm. Construct a chord of length 6 cm. Name the circle and the chord.

4. Rahul's goes to school by bus. But he needs to walk one fifth of the distance to reach the bus stop. If the distance from his house to his school is 3.5 km, then find the distance in meters that he walks to the bus stop.

5. Assuming that $\pi = \frac{22}{7}$, Find the radius of the circle whose circumference is 154 cm.

6. Solve 8.9 × 4.6 and verify that it is same as 46 × 0.89

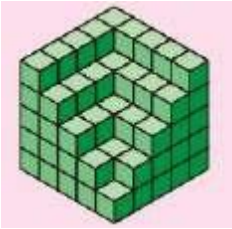
7. Sara makes a cuboidal box of length 8cm, width 5cm and height 4cm. Find the volume of this box.

8. A train from Ahmedabad to Bangalore take 36 hours. If the distance between the two cities is 1494 km find the speed of the train in Km per hour.

9. Make a table with tally marks and write down the frequencies for each colour+ for the following data. The favourite colours of 20 students of a class are as follows:

| | | | | |
|---|---|---|---|---|
| Red | Blue | Yellow | Green | Green |
| Yellow | Blue | Yellow | Red | Green |
| Blue | Yellow | Yellow | Red | Green |
| Blue | Red | Blue | Green | Yellow |

10. Find the number of cubes that would be required to make the following object. Show all steps for how you arrived to the answer.



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