FORMATIVE ASSESSMENT – SECOND MID TERM

MATHEMATICS

Max. Marks: 50

Std - VIII

Time: 2 Hrs

Name of the School:	Name of the Student:
Place:	Roll No.:

I. Choose the correct answer: **5 x 1 = 5**

1. 15% of 40 is _____.

    a) 600   b) 60   c) 6   d) 0.6

2. 45% of 50 is _____.

    a) 22.55   b) 22.5   c) 2.25   d) 225.0

3. 32% of a number is 48, The number is _____.

    a) 15   b) 150   c) 1500   d) 15000

4. 6 men complete work in 10 days. 12 men will complete it in _____ days.

    a) 20   b) 18   c) 5   d) 6

5. Speed = _____.

    a) $\dfrac{\text{Time}}{\text{Distance}}$ b) $\dfrac{\text{Distance}}{\text{Time}}$ c) Distance × Time   d) Distance - Time

II. Match the following: **5 x 1 = 5**

1. $66\frac{2}{3}\%$ of 120   –   600000

2. $\dfrac{100}{3} \times 12000$ –   80

3. $\dfrac{\text{Pnr}}{100}$ is equal to   –   4500

4. 15% of 30000   –   9.36

5. 12% of 78   –   SI

III. Do as Directed: **10 x 2 = 20**

1. How many minutes will Raman take to cover a distance of 400 meters if he Runs at a speed of 20 km/hr?

2. Convert the speed 90 km/hr to m/s.

3. If A can finish a project in 60 days and B can finish it in 40 days. How soon can the project be finished if both A & B work together?

4. Calculate the amount and compound interest.

   P = ₹ 3200, *n* = 2 years, *r* = 2.5%

5. The selling price of an article costing.

   a) ₹450 is _____ if there is a loss of 20%

   b) SP = ₹625, Profit = ₹175, What is CP?

6. Giri gets HRA of ₹ 10,000 which is 20% of his basic salary. What is his basic salary?

7. Express as fractions.

   a) 90%   b) 8%

8. Express in decimal form.

   a) 250%   b) 52%

9. What is 12% of 5% of 3500?

10. Write the formula.

    Selling Price = _____.

    Cost Price = _____.

IV. Answer the following: 4 x 5 = 20

1. A camera was sold for ₹ 30000 incurring a loss of 15%. Find the cost price of the camera.

2. Anu and Sanu together can finish a project in 9 weeks. Sanu and Vinu together can finish the project in 12 weeks. Anu and Vinu together can finish it in 18 weeks. What would be the time taken to finish the whole project if they all work together?

3. A cement factory makes 7000 cement bags in 12 days with the help of 36 machines. How many bags can be made in 18 days using 24 machines?

4. A train 250 m long crosses a tunnel 450 m long. If the speed of the train is 72 km/hour, find the time taken to cross the tunnel.