

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:

10 x 1 = 10

- 15% of 40 is _____.
a) 60 b) 0.6 c) 6 d) 0.06
- 21% is equal to _____.
a) 0.210 b) 2.1 c) 2.11 d) 0.021
- 7.5% is equal to _____.
a) 0.75 b) 7.5 c) 0.075 d) 75
- What percentage of 30 is 12?
a) 30 b) 40 c) 50 d) 60
- $SI =$ _____.
a) $\frac{Pn}{100}$ b) $\frac{Pnr}{100}$ c) Pnr d) $\frac{R}{100}$
- Two thirds of a number increased by 5 is 25. The number is _____.
a) 35 b) 30 c) 40 d) 45
- Find the value of x in $7x - 12 = 16$
a) $x = 4$ b) $x = 5$ c) $x = 6$ d) $x = 7$
- $\frac{192}{3} =$ _____.
a) 54 b) 64 c) 74 d) 84
- A camera was sold for ₹25,500 incurring a loss of 15%. Find the cost price of the camera.
a) 3000 b) 27000 c) 30000 d) 15000
- The value of x is _____ in the below equation. $5x+7=6$
a) $\frac{-1}{5}$ b) $\frac{1}{5}$ c) $\frac{13}{5}$ d) $\frac{-13}{5}$

II. Match the following:

$$5 \times 1 = 5$$

- | | | |
|----------------------------------|---|--|
| 11. $\frac{22}{25} \times 100\%$ | – | 22.5 |
| 12. 12% of 78 | – | 9.36 |
| 13. 45% of 50 | – | 88% |
| 14. $6x - 8 = 118$ | – | $\frac{\text{SP}}{(1 + \text{Profit \%})}$ |
| 15. CP is equal to | – | $x = 21$ |

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

16. Say True or False.
a) $33\frac{1}{3}\%$ of 84 is 28 b) 25% of 80 is 20
17. If 32% of a number is 48, Find the number.
18. A car was purchased at puducherry for ₹5,00,000. The cost of transporting it to Chennai was ₹5000. Find the total cost price of the car.
19. Hari gets Increment of ₹10000, which is 20% of his basic salary. What is his basic salary.
20. $SI = \frac{Pnr}{100}$
 $P = 25000, n = 3 \text{ yrs}, r = 6\%$. Find the SI.
21. Calculate the amount and compound Interest on, ₹3200 for 2 years at 2.5% per annum.
22. The sum of three consecutive multiples of 8 is 192. Find the numbers.
23. $4a - 3b = 22$
(a) If $a = 4, b = ?$ (b) If $b = 6, a = ?$
24. The sum of 3 consecutive even numbers is 276. Find the numbers.
25. What is 12% of 5% of 3500?

IV. Do as Directed: (any 3)**3 x 5 = 15**

26. The population of a region increases by 5% each year for 3 years. If the initial population was 1,20,000. What is the population after 3 years.
27. A total of 90 currency notes, consisting only of ₹5 and ₹10 denominations, amount to ₹500. Find the number of notes in each denomination.
28. Find the amount payable and the compound interest on ₹36000 for 2 years at 5% p.a.
29. One number is seven times another. If their difference is 18, find the numbers.
30. The auto fare for the first five km is fixed at ₹30. Thereafter for every km travelled the fare is ₹10. If Manoj pays ₹240 for his ride, what could be the distance he travelled?