

FORMATIVE ASSESSMENT – THIRD MID TERM

MATHEMATICS

Max. Marks: 50

Std - VII

Time: 2 Hrs

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

I. Fill in the blanks: 5 × 1 = 5

1.

$0.1 \times \text{_____} = 11.$
2.

$0.2 \times 0.2 + 0.2 = \text{_____}.$
3.

$\frac{4}{5}$ years = _____ months.
4.

40% is _____ as a fraction.
5.

$10 - 0.075 = \text{_____}.$

II. Choose the correct answer: 5 × 1 = 5

6.

$0.28 + 0.82 - 0.5 = \text{_____}.$

a) 1.5

b) 0.5

c) 0.06

d) 0.6
7.

$0.16 \div 0.4 = \text{_____}.$

a) 0.04

b) 0.4

c) 4.0

d) 0.004
8.

$\frac{1}{10}$ as a percentage is _____.

a) 1%

b) 5%

c) 10%

d) 0.1%
9.

The SP of a cap is ₹150. The gain is ₹25. The gain % is _____.

a) 20%

b) 25%

c) 15%

d) 30%
10.

If amount = ₹3,420, Principal = ₹3,000. Rate of interest = 7%. Period of deposit _____.

a) 2 months

b) 1 year

c) 6 months

d) 2 years

III. Match the following: 5 × 1 = 5

11.

Simple Interest

–

$\frac{\text{decrease}}{\text{Quantity}} \times 100\%$
12.

Loss %

–

$\frac{P \times R \times T}{100}$
13.

Profit

–

$\left[\frac{\text{Gain}}{\text{CP}} \times 100 \right] \%$
14.

Gain %

–

$\text{SP} - \text{CP}$
15.

Decrease %

–

$\left[\frac{\text{Loss}}{\text{CP}} \times 100 \right] \%$

IV. True or False: **$5 \times 1 = 5$**

16. The whole number 6 when expressed as a percentage is 500%.
17. A ratio can also be expressed as a fraction.
18. The SP is $8y$ and the gain is $2y$. The gain % is 2%.
19. The money deposited in the beginning is called principal.
20. The additional money that the bank pays you is called principal.

V. Answer the following: (any 5) **$5 \times 2 = 10$**

21. Round 18.399 to the nearest tenth.
22. Find the sum of $304.56 + 410 + 1175.736$.
23. Find the product.
a) 0.215×17 b) 8.732×6
24. Change the following percentages into decimals.
a) 63% b) 0.01%
25. 75% of which number is 126?
26. A box of sweets weighs 2.125 kg. What would be the weight of a dozen such boxes.
27. Express the following percentage as fraction?
a. $\frac{161}{4} \%$ b. $33\frac{1}{3} \%$

VI. Answer the following: (any 4) **$4 \times 5 = 20$**

28. Kyathi bought some sweets for ₹107.75 and grapes for ₹80.50. She gave ₹200 to the cashier. How much money did she get back from him?
29. A cloth of length 437.5 m is cut into smaller pieces, each of length 1.25 m. Find the number of pieces cut.
30. Find the rate of interest if ₹3000 would yield ₹630 as simple interest in 3 years 6 months.
31. If ₹15,000 yields an interest of ₹5,775 at the rate of 5.5% pa. What is the time period of deposit.
32. An alloy consists of 12% copper, 18% tin and the rest is brass. What fraction of the alloy is brass?