



SUMMATIVE ASSESSMENT – FIRST TERM

MATHEMATICS

Max. Marks: 60

Std - VII

Time: 2 Hrs

I. Choose the correct answer:

5 x 1 = 5

1. 2^2 means

a) 2×2	b) $a \times a$	c) $2 + a$	d) none
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2. 2^0 is

a) 0	b) 1	c) 2	d) 2×0
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3. If $x = 3, y = 2$ then $x^2y - xy^2$ is

a) 6	b) -1	c) 10	d) -20
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4. If the cost of 14kg of pulses is ₹441, find the cost of 22kg

a) ₹627	b) ₹649	c) ₹671	d) ₹693
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5. If 15 shirts cost ₹6000, then 25 shirts will cost

a) ₹9000	b) ₹10,200	c) ₹10,000	d) ₹7000
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II. Fill in the blanks:

5 x 1 = 5

6. Area of a parallelogram = _____.
7. $4 : 5 = \square : 10$
8. A straight angle is an angle that is _____ degree exactly.
9. The sum of the three interior angles of a triangle is _____.
10. If $m = 2, n = 3$ then $m^2n - mn^2$ is _____.

III. Match the following:

5 x 1 = 5

- | | | |
|----------------------|---|---|
| 11. 0 | - | $\frac{1}{2} \times \text{base} \times \text{height sq. units}$ |
| 12. Area of square | - | $2x$ |
| 13. Area of triangle | - | Additive identity |
| 14. Twice a number | - | Multiplicative identity |
| 15. 1 | - | s^2 sq.units |

IV. Do as directed: (Any 5)

5 x 2 = 10

16. Do the addition on the number line: $(-8) + (+7)$
17. Use distributive property and find the product: 321×1003
18. Find the perimeter of a square whose side is 30cm.

19. Find the co-efficient of x and the constant term of the following polynomials.

a) $2x - 7$

b) $2x$

20. Add $4x^2 + 6x + 3$ and $3x^2 + 2x + 1$

21. Find the ratio of 3 hours to 6 days.

V. Answer the following briefly (Any 6)

6 x 5 = 30

22. Rahul wants to buy a T-shirt for ₹2300 and jeans for ₹600. He has ₹750 with him. How much more money does he need to buy both items.

23. A submarine descends at the rate of 60 feet per minute. How long will it take to descend 660 feet below the surface?

24. Find the cost of levelling a square park of side 120m at the rate of ₹3 per.sq.m

25. Solve and find the value of x in each of the following:

a) $x + 5 = 8$

b) $x - 3 = 10$

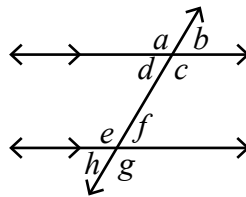
c) $3x = 9$

d) $\frac{x}{5} = 7$

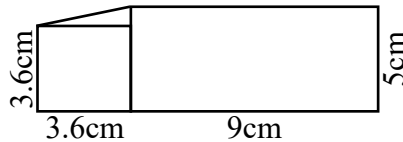
e) $7x + 28 = 5x + 30$

26. If the cost of 12 pencils is ₹60. Find the cost of 5 pencils.

27. Look at the two parallel lines intersected by the exterior if $\angle d = 65^\circ$. Find a, b, c, e, f, g and h .



28. Calculate the area of the given figure.



VI. Geometry:

1 x 5 = 5

29. Construct the perpendicular bisector of the line segment PQ of length 4.8 cm.