



# MATHS

## BOOKS - HT Olympiad Previous Year Paper

### SAMPLE PAPER 4 (CLASS VIII)

#### Section A Mathematics

1. The value of  $x^2 + 4x + 4$  at  $x = -2$  is-

A. 1

B. 6

C. 0

D. 3

**Answer: C**



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2. Which of the following polygon has 5 sides?

A. Rhombus

B. Quadrilateral

C. Hexagon

D. Pentagon

**Answer: D**



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**3.** The floor Area of a room is a square of side 8m. Its height is 3m. The volume of the room is.

A.  $180m^3$

B.  $192m^3$

C.  $200m^3$

D.  $150m^3$

**Answer: B**



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4. If the selling price of 11 pencils is equal to the cost price of 15 pencils, find the approximate profit or loss percent.

A. 48.4 % profit

B. 36.8 % loss

C. 40.8 % loss

D. 36.4 % profit

**Answer: D**



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5. Which of the following is not a property of a parallelogram?

A. The opposite sides are parallel

B. The consecutive angles are supplementary.

C. The two diagonals bisect at right angles.

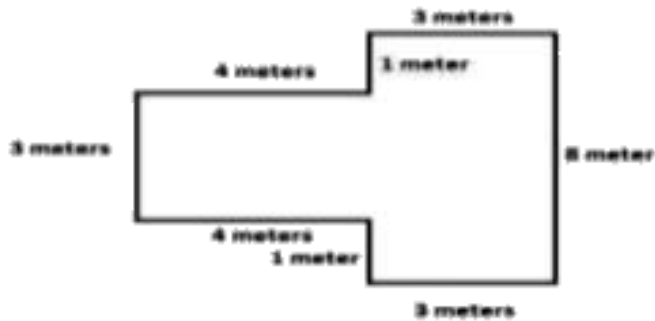
D. none of these

**Answer: C**



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6. Arjun wants to buy a wood trim around the perimeter of his drawing room. How many meters of wood trim does Arjun need?



- A. 26m
- B. 23m
- C. 27m
- D. 28m

**Answer: C**



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7. The value of  $x^2 - 25$  at  $x = -5$  is

A.  $-3$

B.  $-6$

C.  $0$

D.  $-5$

**Answer: C**





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8. Which of the following is true about the vertically opposite angles of a parallelogram?

- A. they are equal to each other
- B. they are complementary angles
- C. they are supplementary angles
- D. none of these

**Answer:**



9. Ankit put a square fence around his farm to keep the animals away from eating his crops. One side of farm was 20 m in length. If the posts were placed 4 m apart, how many posts did he use?

A. 16

B. 20

C. 10

D. 5

**Answer:**



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**10.** An electronic device makes a beep after every 60 sec. Another device makes a beep after every 62 sec. They beeped together at 10 a.m. The next time, when they would beep together at the earliest is (a) 10.30 a.m. (b) 10.31 a.m. (c) 10.59 a.m. (d) 11 a.m.

**A. 11AM**

B. 10:59*AM*

C. 10:31*AM*

D. 10:30*AM*

**Answer:**



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