



MAHAVIR SENIOR MODEL SCHOOL

WINTER BREAK HOMEWORK

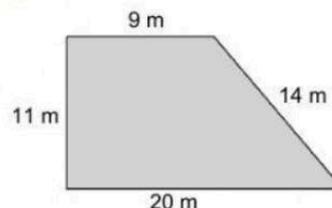
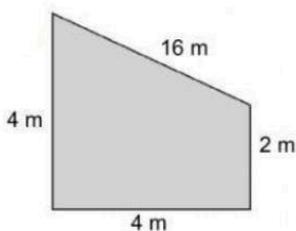
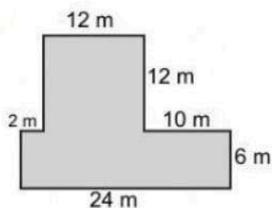
GRADE IV

SESSION 2025-26

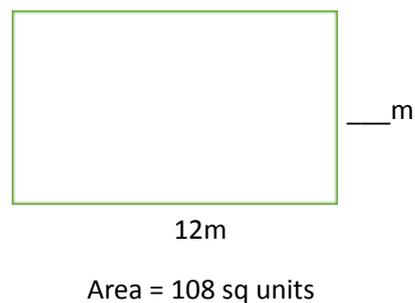
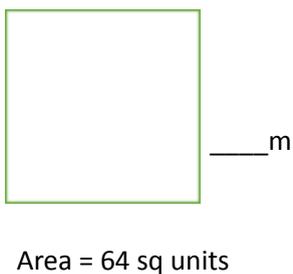
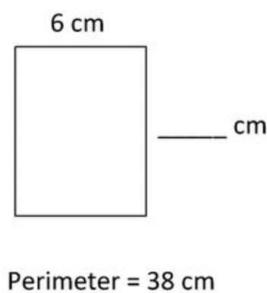
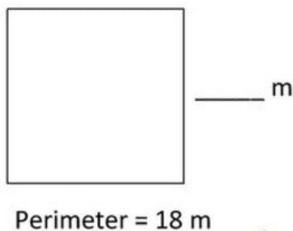
PERIMETER AND AREA REVISION WORKSHEET

Name _____ Date _____ Roll No. _____

Q1) Find the perimeter and area of following irregular shape



Q2) Find the missing side.



Q3) Find the perimeter of a rectangle whose length is twice the breadth and the breadth is 24 cm.

Q4) Two rectangles have the same perimeter of 200 m. Rectangle A length = 60 m, Rectangle B length = 40 m. Which rectangle has greater breadth?

Q5) A gardener wants to grow grass on every part of a rectangular garden that is 80 m long and 45 m wide. Find the total space on which grass will be grown.

Q6) A rectangular hall is 36 m long and 24 m wide. The floor is to be covered with carpet. How much space will be covered by carpet?



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ASSERTION/REASONING WORKSHEET

Q1) Assertion (A): The perimeter of a rectangle with length 5 cm and breadth 3 cm is 16 cm.

Reason (R): The perimeter of a rectangle is calculated as $2 \times (\text{length} + \text{breadth})$

- a) Both A and R are true, and R is the correct explanation of A.
- b). Both A and R are true, but R is not the correct explanation of A.
- c). A is true but R is false.
- d). A is false but R is true.

Q2) Assertion (A): If the side of a square is 5 cm, its perimeter is 20 cm.

Reason (R): Perimeter is the total length of the boundary of a closed figure.

- a) Both A and R are true, and R is the correct explanation of A.
- b). Both A and R are true, but R is not the correct explanation of A.
- c). A is true but R is false.
- d). A is false but R is true.

Q3) Assertion (A): The perimeter of a square with a 4 cm side is 8 cm.

Reason (R): The perimeter of a square is the sum of all its four sides.

- a) Both A and R are true, and R is the correct explanation of A.
- b). Both A and R are true, but R is not the correct explanation of A.
- c). A is true but R is false.
- d). A is false but R is true.

Q4) Assertion (A): The perimeter of a triangle with sides 5 cm, 6 cm, and 7 cm is 25 cm.

Reason (R): Perimeter is the sum of all sides of a figure.

- a) Both A and R are true, and R is the correct explanation of A.
- b). Both A and R are true, but R is not the correct explanation of A.
- c). A is true but R is false.
- d). A is false but R is true.

Q5) Assertion (A): The area of a square with side 7 cm is 49 sq cm.

Reasoning (R): Area of a square = side \times side.

- a) Both A and R are true, and R is the correct explanation of A.
- b). Both A and R are true, but R is not the correct explanation of A.
- c). A is true but R is false.
- d). A is false but R is true.

Q6) Assertion (A): A rectangle with length 10 cm and breadth 2 cm has an area of 20 sq cm.

Reasoning (R): Area = length \times breadth.

- a) Both A and R are true, and R is the correct explanation of A.
- b). Both A and R are true, but R is not the correct explanation of A.
- c). A is true but R is false.
- d). A is false but R is true.



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COMPETENCY BASED WORKSHEET

Q1) Shelly has a rectangular garden that is 22 m long and 15 m wide. Her friend Rachel has a square garden with a side of 21 m.

- a) Find the area of Shelly's garden
- b) Find the area of Rachel's garden.
- c) Whose garden is bigger and by how much ?

Q2) Riya is making a display board for a school exhibition. The board is a rectangle with a length of 3 m and a width of 2 m.

- a) If Riya wants to add a ribbon border around the entire board, how much ribbon does he need?
- b) If the ribbon costs ₹15 per meter, what is the total cost of the ribbon?
- c) If she decides to cover the surface of the board with chart paper, what is the area of the chart paper needed?

Q3) Tanush jogs around a rectangular field that is 135 m long and 78 m wide.

- a) What is the distance Tanush covers in one complete round?
- b) How far did Phani jog if he completed 4 rounds?

Q4) Rohan wants to put a fence around his rectangular garden. The length is 8 m and breadth is 5 m.

- a) What is the perimeter of the garden?**
- b) How many meters of fencing will Rohan need?**