Perimeter of rectangle

A. Choose the Correct Answer:

1. A rectangle has a length of 12 cm and breadth of 5 cm. What is its perimeter?
a) 30 cm   b) 34 cm
c) 24 cm   d) 40 cm

2. The perimeter of a rectangle is 50 cm. If its length is 15 cm, what is the breadth?
a) 10 cm   b) 20 cm
c) 12.5 cm   d) 5 cm

3. Which of the following is the correct formula for the perimeter of a rectangle?
a) 2 × length × breadth   b) length + breadth
c) 2 × (length + breadth)   d) 2 × length + breadth

4. If the length and breadth of a rectangle are the same, the rectangle becomes a:
a) Square   b) Triangle
c) Circle   d) Rhombus

5. A rectangular room is 6 m long and 4 m wide. The perimeter of the room is:
a) 10 m   b) 24 m
c) 20 m   d) 12 m

B. Write the Missing Terms to Complete the Sentences:

1. The perimeter of a rectangle is calculated using the formula _____.

2. A rectangle has two _____ sides and two shorter sides.

3. If the perimeter of a rectangle is 60 cm and the length is 20 cm, the breadth is _____.

4. Perimeter is the _____ around a shape.

5. If the length and breadth of a rectangle are 9 m and 3 m respectively, the perimeter is _____.

C. Figure out the answers to these questions:

1. A rectangular plot is 25 m long and 15 m wide. Find the total length of the fencing required to enclose it.

2. Draw a rectangle with a length of 7 cm and breadth of 4 cm. Calculate its perimeter and label the sides.

3. The length of a rectangle is 3 times its breadth. If the perimeter is 48 cm, find the dimensions of the rectangle.

4. A garden is in the shape of a rectangle. The gardener needs to place lights along its boundary. If the garden is 20 m long and 10 m wide, how many meters of light wire will be needed?

5. A photo frame is rectangular in shape. The length is 18 cm and breadth is 12 cm. Find the ribbon needed to wrap around its edge.

D. Mark each sentence with a True (✔) or False (✗):

1. A rectangle has four equal sides.

2. Perimeter is the distance around a figure.

3. The perimeter of a rectangle depends only on the length.

4. If the perimeter of a rectangle is 60 cm and both sides are equal, it is a square.

5. A rectangle with a length of 0 cm will still have a perimeter.

E. Challenge yourself with these questions:

1. Match the following:

☐ Rectangle with length 6 cm and breadth 3 cm → _____
☐ Rectangle with length 10 cm and breadth 5 cm → _____

2. A carpet is to be stitched around the edge of a rectangular mat. What length of lace is required if the mat is 2.5 m long and 1.5 m wide?

3. A chocolate box is shaped like a rectangle. If its perimeter is 56 cm and the length is 18 cm, what is the width?

4. A garden is fenced from all four sides. The garden is rectangular with length 40 m and width 25 m. How much fencing is needed?

5. Make your own rectangle with any length and breadth, and write down how you calculated its perimeter.

F. Find the perimeter of each of the following rectangles.

1.

| 15m |
| 4m   4m |
| 15m |

2.

| 0.5m |
| 20cm |