AREA OF RECTANGLE

In mathematics, the rectangle is a core concept. It is a quadrilateral shape with a right angle at each of its four sides. Sometimes, students get confused with the properties of rectangles, parallelograms, and squares. All three shapes are different from each other and have different formulas.

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Q1: What is the formula for the perimeter (P) of a rectangle with length (l) and width (w)?

A: P = 2l + 2w
B: P = lw
C: P = 2(l + w)
D: P = l/w

Q2: If the length of a rectangle is 8 meters and the width is 5 meters, what is its area?

A: 13 square meters
B: 26 square meters
C: 40 square meters
D: 56 square meters

Q3: If one side of a rectangle is 12 inches and the other side is 4 inches, what is its area?

A: 8 square inches
B: 16 square inches
C: 24 square inches
D: 48 square inches

Q4: What is the area of a square with a side length of 10 centimeters?

A: 20 square centimeters
B: 50 square centimeters
C: 100 square centimeters
D: 200 square centimeters

Q5: Can rectangle formulas be used in practical life?

A: Yes
B: No

Q6: What is right about a rectangle?

A: It has a quadrilateral shape
B: The area of a rectangle is length * breadth
C: The perimeter of the rectangle is 2*(l+b)
D: All of the above

Q7: What is the perimeter of a rectangle with a length of 2 meters and a width of 3 meters?

A: 3 meters
B: 6 meters
C: 10 meters
D: 8 meters

Q8: What is the area of a rectangle?

A: length * length
B: 2*(l+b)
C: length * breadth
D: None of the above

Q9: What is the perimeter of a rectangle?

A: 2(l + b)
B: l * b
C: l/b
D: Both b and c

Q10: Is it right about the properties of rectangles?

A: All four sides are equal
B: All four sides have a right angle
C: It is similar to a square
D: Only B

Answers

Q1: A - P = 2l + 2w

Q2: C - 40 square meters

Q3: D - 48 square inches

Q4: C - 100 square centimeters

Q5: A - Yes

Q6: D - All of the above

Q7: C - 10 meters

Q8: A - length * length

Q9: A - 2(l + b)

Q10: D - Only B

Q11: B - No