



Quantitative Reasoning Practice Questions

Set 3:
Geometry

Directions: Choose the letter that corresponds to the correct answer for each question below.

1) If r represents the degree measurement of an acute angle, which of the following is true?

- (a) $r = 90$
- (b) $r > 45$
- (c) $0 < r < 45$
- (d) $0 < r < 90$

2) Which of the following is a quadrilateral?

- (a) rhombus
- (b) triangle
- (c) parallelogram
- (d) Both A and C

3) A side of an equilateral triangle measures $2x - 1$. If the perimeter of the equilateral triangle is 15, what is the value of x ?

- (a) 2
- (b) 3
- (c) 4
- (d) 5

4) Determine the perimeter of a square with an area of 121 cm^2 .

- (a) 32 cm
- (b) 44 cm
- (c) 48 cm
- (d) 60 cm

5) The length of a rectangular field is 6 meters longer than its width. If the perimeter of the rectangular field is 44 meters, identify how wide the rectangular field is.

- (a) 4 meters
- (b) 6 meters
- (c) 8 meters
- (d) 12 meters



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6) Tiling a floor costs PHP 150 for every square meter. If the floor of a room 8 meters long and 5 meters wide will be tiled, how much will be the total cost?

- (a) PHP 3,500
- (b) PHP 4,600
- (c) PHP 5,000
- (d) PHP 6,000

7) How much water is needed to fill an aquarium that is 8 ft long, 5 ft wide, and 4 ft. tall?

- (a) 160 cubic feet
- (b) 160 feet
- (c) 240 square feet
- (d) 160 square feet

8) Each side of a square measures $3\frac{1}{5}$ meters. What is its perimeter?

- (a) $\frac{12}{45}$ meters
- (b) $12\frac{4}{5}$ meters
- (c) $\frac{15}{34}$ meters
- (d) $15\frac{3}{4}$ meters

9) An equilateral triangle and a square have the same perimeter. If the area of the square is 36 cm^2 , how long is each side of the triangle?

- (a) 8 cm
- (b) 9.5 cm
- (c) 12 cm
- (d) 14.5 cm

10) What is the sum of measurements of supplementary angles?

- (a) 90 degrees



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- (b) 120 degrees
- (c) 180 degrees
- (d) 240 degrees



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