



## Area and Perimeter Mixed Practice: Multiple Choice

Grade 5

Name: \_\_\_\_\_

Solve for area, perimeter, or both. Use formulas.

**Example:** Example: A stage is 12 m by 7 m  $\rightarrow$  Area =  $12 \times 7 = 84$  sq m. Use the same process for new scenarios.

(1) A rectangular plot of land has vertices at (1, 2), (1, 9), (8, 9), and (8, 2) on a map where each unit represents 1 foot. What is the area of the plot?

- (A) 14 sq ft   (B) 28 sq ft   (C) 49 sq ft   (D) 56 sq ft

(2) A rectangular banner is 4.5 meters long and 2.8 meters wide. What is its perimeter?

- (A) 7.3 m   (B) 12.6 m   (C) 14.6 m   (D) 15.6 m

(3) A rectangular tabletop measures 1.2 meters in length and 0.8 meters in width. Calculate its area.

- (A) 2.0 sq m   (B) 0.96 sq m   (C) 9.6 sq m   (D) 1.0 sq m

(4) A rectangular garden measures 15 feet by 8 feet. Fencing costs \$3.50 per foot. What is the total cost to fence the garden?

- (A) \$80.50   (B) \$161.00   (C) \$126.00   (D) \$192.00

(5) A rectangular piece of fabric is  $\frac{3}{4}$  yard long and  $\frac{1}{2}$  yard wide. What is its area?

- (A)  $\frac{1}{4}$  sq yd   (B)  $\frac{3}{8}$  sq yd   (C) 1 sq yd   (D)  $\frac{5}{4}$  sq yd



(6) A rectangular frame is  $5\frac{1}{2}$  inches long and  $3\frac{1}{4}$  inches wide. Calculate its perimeter.

- (A)  $8\frac{3}{4}$  in   (B)  $17\frac{1}{2}$  in   (C)  $16\frac{1}{4}$  in   (D) 18 in

(7) A rectangular patio has an area of 72 square feet. If its length is 9 feet, what is its width?

- (A) 6 ft   (B) 7 ft   (C) 8 ft   (D) 9 ft

(8) The perimeter of a rectangular chalkboard is 26 feet. If its width is 5 feet, what is its length?

- (A) 6 ft   (B) 7 ft   (C) 8 ft   (D) 9 ft

(9) A rectangular wall is 12 feet long and 9 feet high. If paint costs \$0.50 per square foot, what is the total cost to paint the wall?

- (A) \$45.00   (B) \$54.00   (C) \$60.00   (D) \$108.00

(10) Rectangle A has a length of 10 cm and a width of 4 cm. Rectangle B has a length of 8 cm and a width of 6 cm. Which rectangle has a greater perimeter?

- (A) Rectangle A   (B) Rectangle B   (C) They have the same perimeter   (D) Cannot be determined

