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 → Area = 12 × 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) 49 sq ft (C) 56 sq ft (D) 28 sq ft

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

(A) 12.6 m (B) 14.6 m (C) 15.6 m (D) 7.3 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) 9.6 sq m (C) 1.0 sq m (D) 0.96 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) $161.00 (B) $192.00 (C) $126.00 (D) $80.50

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

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

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

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

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

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

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

(A) 7 ft (B) 9 ft (C) 8 ft (D) 6 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) $108.00 (D) $60.00

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