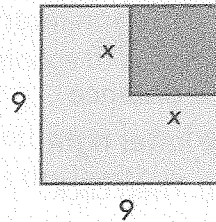1. Caroline is framing a rectangular picture that measures 8 inches by 10 inches. Which of the following can be used to find the perimeter of the picture? (17-1)
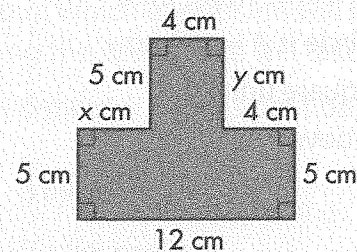
   A $P = 2(8) \times 2(10)$

   B $P = 2(8) + 2(10)$

   C $P = 2(8) - 2(10)$

   D $P = 8 \times 10$

2. Two figures are arranged as shown. Which of the following can be used to find the area of the yellow figure? (17-2)
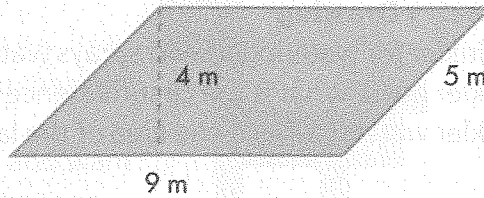
   A $9^2 - x^2$

   B $(9 - x)^2$

   C $2(9) + 2(9 - x)$

   D $9^2 + x^2$

3. What is the perimeter of the figure shown? (17-1)

   A 35 cm

   B 40 cm

   C 44 cm

   D 120 cm

4. Which equation can be used to find A, the area of the parallelogram shown, in square meters? (17-3)

   A $A = 5 \times 9$

   B $A = 4 \times 9$

   C $A = \frac{1}{2} \times 5 \times 9$

   D $A = \frac{1}{2} \times 4 \times 9$

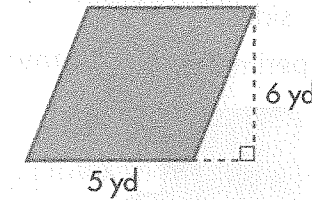5. What is the area of the rectangular garden shown? (17-2)

   A 56 square feet

   B 120 square feet

   C 480 square feet

   D 576 square feet

6. What is the area of a square flower bed if one side has a length of 8 feet? (17-2)

   A 16 square feet

   B 24 square feet

   C 32 square feet

   D 64 square feet

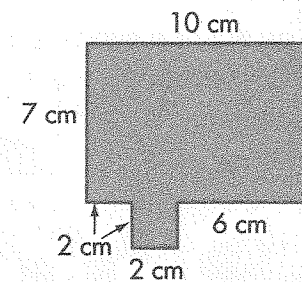7. What is the area of the parallelogram shown below? (17-3)

   A 22 square yards

   B 30 square yards

   C 35 square yards

   D 36 square yards

8. What is the area of a triangle with a base of 7 feet and a height of 13 feet? (17-3)
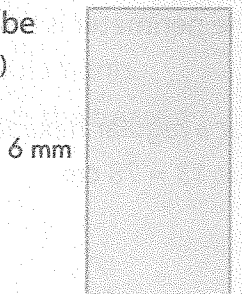
   A 91 square feet

   B 45.5 square feet

   C 45 square feet

   D 44.5 square feet

9. What is the area of the figure shown? (17-2)

   A 74 square centimeters

   B 78 square centimeters

   C 90 square centimeters

   D 108 square centimeters

10. If the perimeter of the rectangle shown is 18 millimeters, which equation can be used to find n? (17-1)

    A $18 = 6 + 2n$

    B $18 = 6 + n$

    C $18 = 12 - 2n$

    D $18 = 12 + 2n$

11. Mr. Aufleger is painting the gable of his house which is triangular shaped. If the base of the triangle is 16 feet and the height is 6 feet, what is the area of the gable? (17-3)

    A 24 square feet

    B 44 square feet

    C 48 square feet

    D 96 square feet

12. If each square of a pentomino represents a table that seats one person on each side, which of the following will NOT seat 12 people? (17-6)

    A

    B

    C

    D