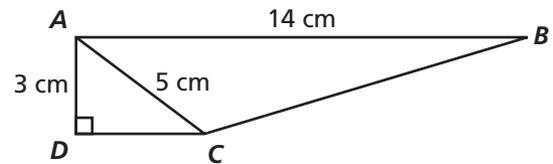


GRADE
10**Focus on Sunshine State Standards: Benchmark Tests**
MA.912.G.2.5 Benchmark Pre-Test (Multiple Choice)

- How many one-foot square tiles are needed to cover a rectangular kitchen floor that is 15 feet wide and 18 feet long?
 - 33
 - 135
 - 270
 - 300
- How does the area of a triangle compare to the area of a parallelogram with the same base and height?
 - The area of the triangle is the same area of the parallelogram.
 - The area of the triangle is one-half the area of the parallelogram.
 - The area of the triangle is twice the area of the parallelogram.
 - The area of the triangle has no relationship to the area of the parallelogram.
- One side of a regular pentagon is 2.7 centimeters long. What is the perimeter of the pentagon?
 - 13.5 centimeters
 - 10.8 centimeters
 - 7.29 centimeters
 - 5.4 centimeters

- What is the area of trapezoid $ABCD$?



- 22 square centimeters
 - 27 square centimeters
 - 42 square centimeters
 - 54 square centimeters
- Wesley is a carpet installer. He cut a 12 foot by 24 foot rectangular piece of carpet into 2 equal squares. What is the perimeter of one of the square pieces?
 - 24 feet
 - 36 feet
 - 48 feet
 - 288 feet
 - The area of square A is 49 square inches. The area of square B is 4 times greater. What is the perimeter of square B?
 - 28 inches
 - 44 inches
 - 56 inches
 - 112 inches

GRADE 10 Focus on Sunshine State Standards: Benchmark Tests
MA.912.G.2.5 Benchmark Pre-Test (Gridded Response)

Use the Gridded Response Answer Sheet.

7. A rectangle whose area is 160 square yards is ten times as long as it is wide. How many yards are in the perimeter of the rectangle?

8. The length of the base of a triangle is twice the length of its altitude. The area of the triangle is 81 square inches. How many inches long is the base of the triangle?

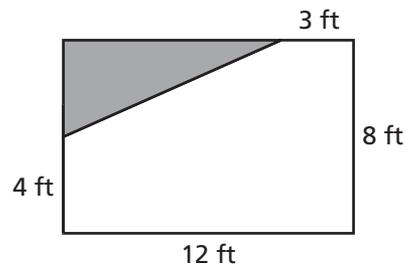
9. The length of the side of a square is 13 feet. If all four sides are decreased by 5 feet, by how many square feet is the area decreased?

10. The length of the base of a parallelogram is 4 centimeters more than the height of the parallelogram. The area of the parallelogram is 96 square centimeters. How many inches long is the base of the parallelogram?

11. The perimeter of an equilateral triangle is 117 inches. What is the number of inches in the perimeter of a regular octagon whose side length is the same as the side length of the triangle?

12. The perimeter of a rectangle is 46 inches. The length of a diagonal of the rectangle is 17 inches. How many square inches are in the area of the rectangle?

13. Patricia is painting a wall in her room. She decides to paint a triangle on a corner of one of the walls.



What is the number of square feet in the area of the unpainted pentagon?