

Name \_\_\_\_\_

Date \_\_\_\_\_

### Lesson 3: Two-Dimensional Measurement

#### Area

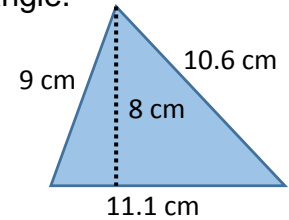
Video Help 1: <https://learnzillion.com/lessons/3743-find-the-area-of-a-rectangle>

Video Help 2: <https://www.youtube.com/watch?v=QmUNqVjm4R4>

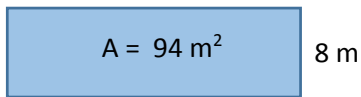
1) Find the area of the rectangle.



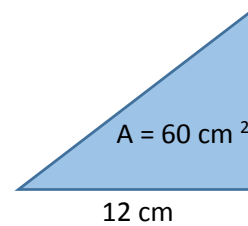
2) Find the area of the triangle.



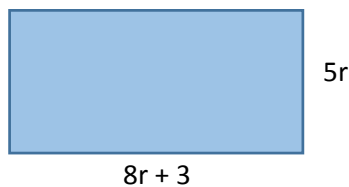
3) Find the length of the rectangle with the area below.



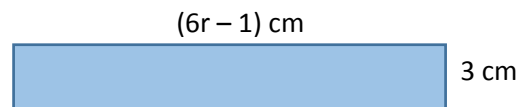
4) Find the height of the triangle with the area below.



5) Find the area of the rectangle in terms of  $r$ .



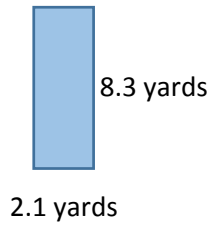
6) If the area of the rectangle is  $57 \text{ cm}^2$ . Find the value of  $r$ .



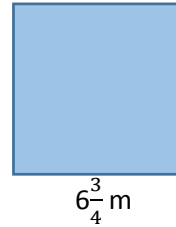
## Perimeter

Video Help: <https://www.khanacademy.org/math/pre-algebra/measurement/perimeter/v/introduction-to-perimeter>

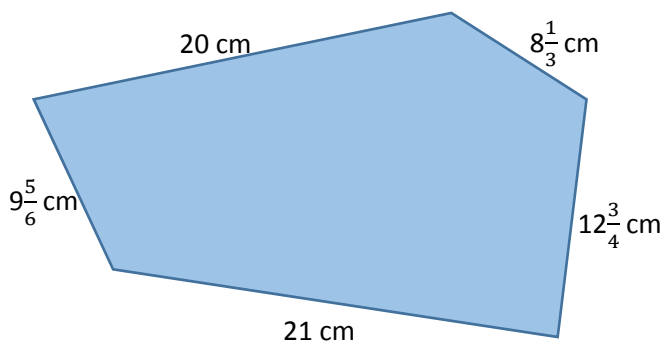
7) Find the perimeter of the rectangle.



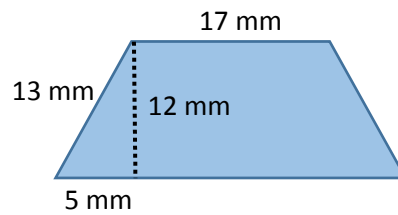
8) Find the perimeter of the square.



9) Find the perimeter of the polygon.



10) Find the perimeter of the isosceles trapezoid.

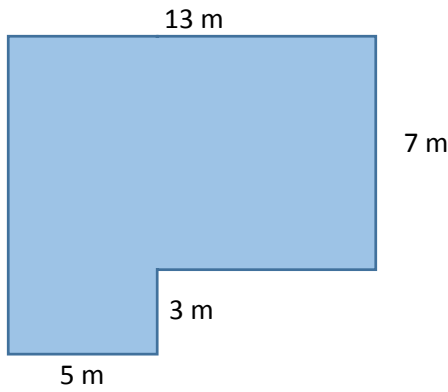


**Irregular shapes**

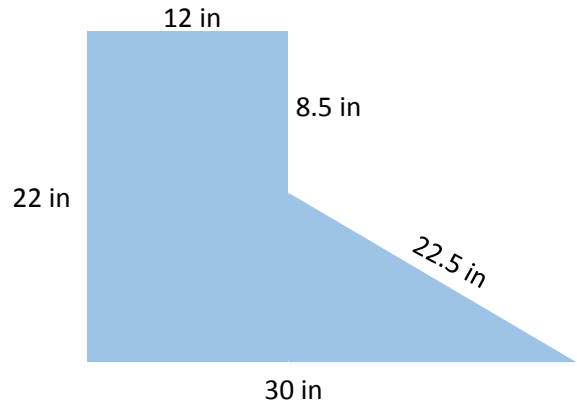
Video Help: <https://learnzillion.com/lessons/1061-find-the-area-of-polygons-by-decomposing-into-triangles-rectangles-parallelograms-and-trapezoids>

**Directions:** Find area of each figure by decomposing it into familiar shapes.

**11)** Find the area and perimeter of the figure below.

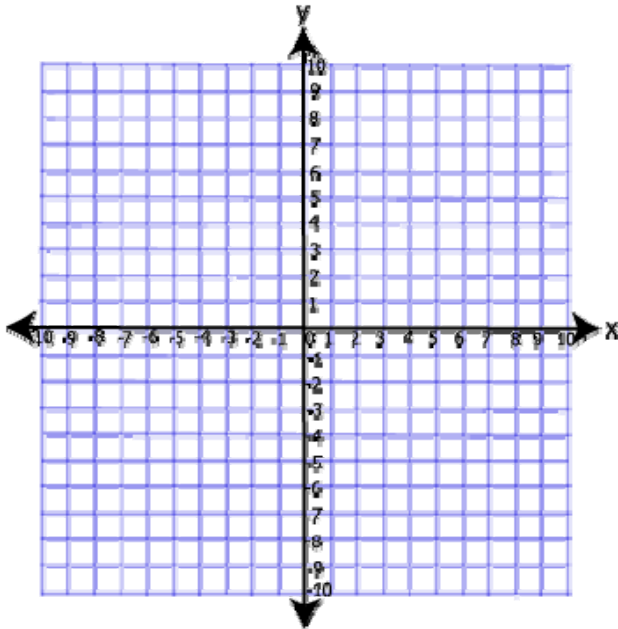


**12)** Find the area and perimeter of the figure below.



**13)** Plot polygon ABC. Find the area of the polygon.

A (-4,2)      B (2,-2)      C (-2,-4)



**14)** Plot polygon WXYZ. Find the area of the polygon.

W (2,5)      X (4,1)      Y (2,-1)      Z (-6,3)

