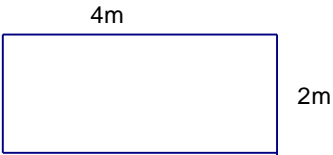
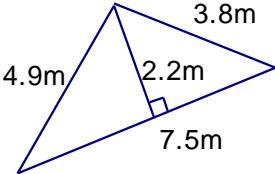
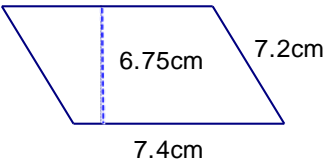
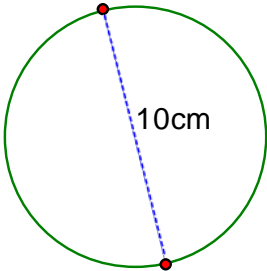
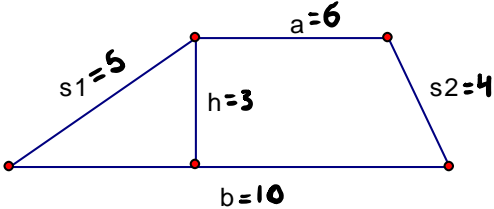


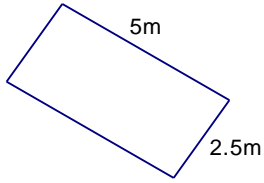
**Review: Perimeter & Area of Basic Shapes**

SHAPE	PERIMETER	AREA
Rectangle/Square 	$P = 2l + 2w$ $P =$ $P =$	$A = l \times w$ $A =$ $A =$
Triangle 	$P = s_1 + s_2 + s_3$ $P =$ $P =$	$A = \frac{b \times h}{2}$ $A =$ $A =$
Parallelogram 	$P = s_1 + s_2 + s_3 + s_4$ $P =$ $P =$	$A = b \times h$ $A =$ $A =$
Circle 	$C = 2\pi r$ or $C = \pi d$ $C =$ $C =$ What would you do if you know only the radius?	$A = \pi \times r^2$ $A =$ $A =$ * remember the radius is half the diameter.
Trapeziod 	$P = a + b + s_1 + s_2$ $P =$ $P =$	$A = \frac{1}{2}(a + b)h$ $A =$ $A =$

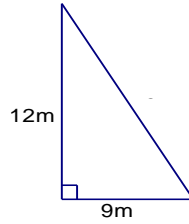
**Practice: Area and Perimeter**

Find the area and perimeter (circumference) of each figure:

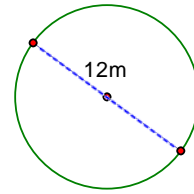
a. Rectangle



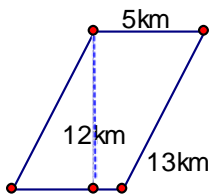
b. Triangle



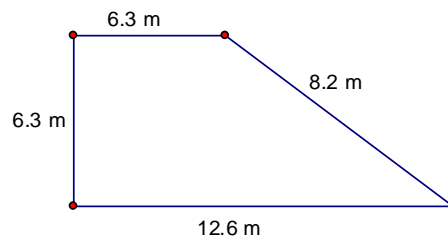
c. Circle



d. Parallelogram



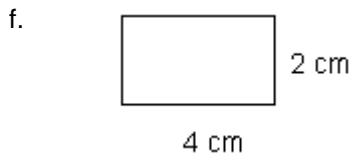
e. Trapezoid



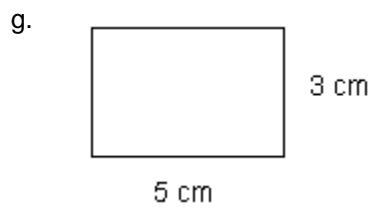
ANSWERS: a.  $A=12.5m^2$ ,  $P=15m$ , b.  $A=54m^2$ ,  $P=36m$ , c.  $A=113.09m^2$ ,  $C=37.68m$ , d.  $A=60km^2$ ,  $P=36km$ , e.  $A=59.5m^2$ ,  $P=33.4m$

**More Area & Perimeter Practice**

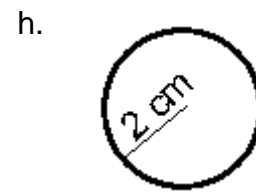
Find the area and perimeter of the following shapes:



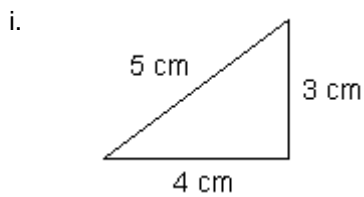
A = \_\_\_\_\_ P = \_\_\_\_\_



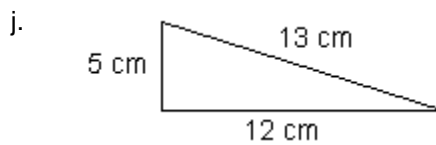
A = \_\_\_\_\_ P = \_\_\_\_\_



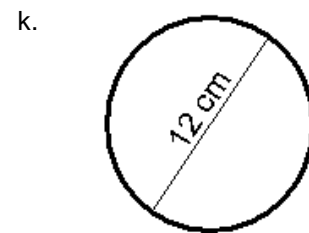
A = \_\_\_\_\_ P = \_\_\_\_\_



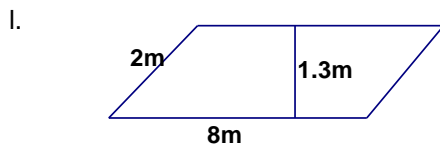
A = \_\_\_\_\_ P = \_\_\_\_\_



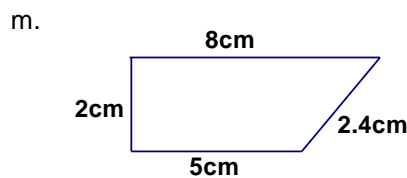
A = \_\_\_\_\_ P = \_\_\_\_\_



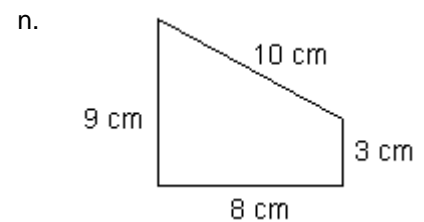
A = \_\_\_\_\_ P = \_\_\_\_\_



A = \_\_\_\_\_ P = \_\_\_\_\_



A = \_\_\_\_\_ P = \_\_\_\_\_



A = \_\_\_\_\_ P = \_\_\_\_\_

ANSWERS: f.  $8\text{cm}^2$ ,  $12\text{cm}$ , g.  $15\text{cm}^2$ ,  $16\text{cm}$ , h.  $12.56\text{m}^2$ ,  $12.56\text{cm}$ , i.  $6\text{cm}^2$ ,  $12\text{cm}$ , j.  $30\text{cm}^2$ ,  $30\text{cm}$ , k.  $113.04\text{cm}^2$ ,  $37.70\text{cm}$ , l.  $10.4\text{m}^2$ ,  $20\text{m}$ , m.  $13\text{cm}^2$ ,  $17.4\text{cm}$ , n.  $48\text{cm}^2$ ,  $30\text{cm}$

Area and Perimeter Problems

Complete the table for the circles with the following dimensions/measurements:

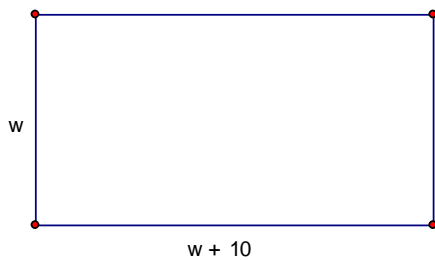
	Radius	Diameter	Circumference	Area
o.	7 cm			
p.		21 cm		
q.			18.84 cm	
r.				452.39m <sup>2</sup>

s. The world's largest dish radio telescope has a diameter of 305 m. What is the circumference of the telescope?

t. A pool has a 50-m fence around 3 sides. One side is 14 m and the other sides are equal.

- a. How long is each equal side?
- b. Fence posts costing \$15.59 each is placed every 2 m. how much do the posts cost?

u.

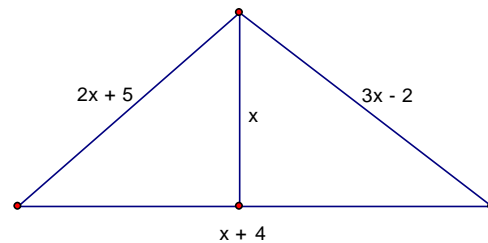


Determine the simplified expression for the perimeter of this rectangle

Determine the simplified expression for the area of this rectangle

Calculate the value of  $w$  if the perimeter is 76 units

v.



Determine the simplified expression for the perimeter of this triangle

Determine the simplified expression for the area of this triangle

Calculate the area if  $x=11$

ANSWERS: o. 14, 43.98, 153.94, p. 10.5, 65.97, 346.36, q. 3, 6, 28.26, r. 12, 24, 75.40, s. 958.19m, t. 18m, \$405.34, u.  $P=4w+20$ ,  $A=w^2+10w$ ,  $w=14$ , v.  $P=6x+7$ ,  $A=(x^2+4x)/2$ , 82.5units<sup>2</sup>