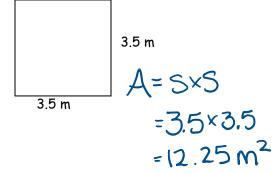
## Area of Simple and Complex Figures

Name: \_\_\_\_\_ Date: \_\_\_\_

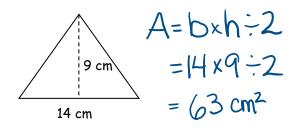
Area is the amout of space incide an object

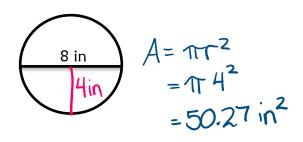
Area can be found using formulas ...

Area can be found using formulas	
Shape – Diagram	Formula
Square	$A = 5 \times 5$ or $A = 5^2$
Rectangle	A=lw
Triangle h	$A = \frac{bh}{2}$ or $A = bh + 2$
Circle	$A = \pi r^2$



125 cm  $A = 1 \times 0$ = 125 × 55

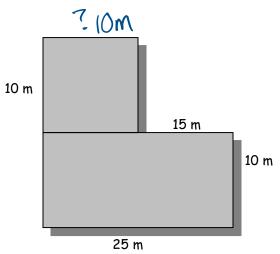




 $= 6875 \, \text{cm}^2$ 

Complex figures are made up of several simple figures put together.

Strategy: find out separate shapes + add together

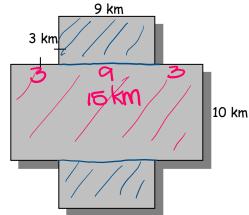


$$A_{D} = S \times S \qquad A_{D} = \ell \times \omega$$

$$= 0 \times 0 \qquad = 25 \times 0$$

$$= 00 \text{ m}^{2} \qquad = 250 \text{ m}^{2}$$

$$A_{T} = 100 + 250$$
  
= 350 m<sup>2</sup>



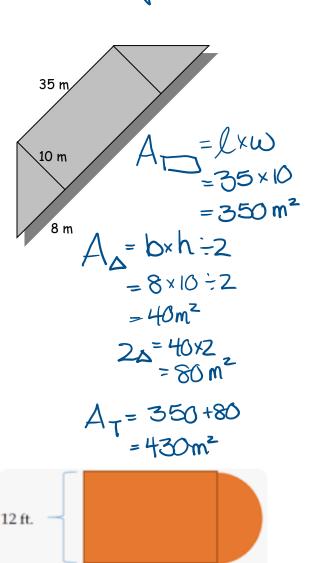
$$A = l \times \omega$$

$$= 9 \times 3$$

$$= 27 \text{ km}^2 \times 2$$

$$= 5 + \text{km}^2$$

$$A_{T} = 54 + 150$$
  
= 204 km<sup>2</sup>



$$A = lxw \qquad A_0 = \pi r^2$$

$$= 16 \times 12 \qquad = \pi \times 6^2$$

$$= 192 \text{ H}^2 \qquad = 113.1 \text{ H}^2$$

$$= 56.55 \text{ H}$$

$$A_{T} = 192 + 56.55$$
  
= 248.55 ft<sup>2</sup>