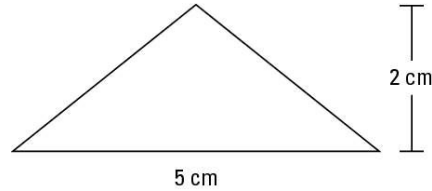
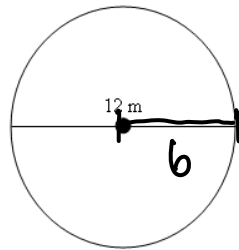
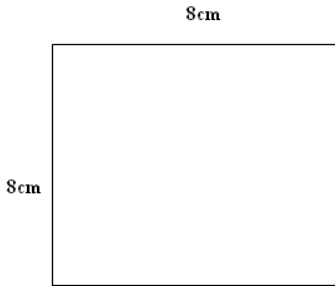


Calculating Area

1. Guided Model: How to calculate the area of regular shapes:



Square:

$$A = l \times w$$

$$A = 8\text{cm} \times 8\text{cm}$$

$$A = 64\text{cm}^2$$

Circle:

$$A = \pi r^2$$

$$A = \pi (6\text{m})^2$$

$$A = \pi (36\text{m}^2)$$

$$A = 113.04\text{m}^2$$

Triangle:

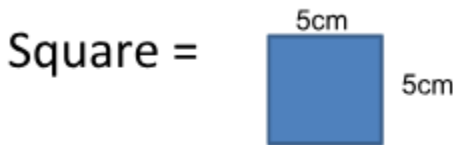
$$A = \frac{b \times h}{2}$$

$$A = \frac{5\text{cm} \times 2\text{cm}}{2}$$

$$A = 5\text{cm}^2$$

Warm up: Find these areas.

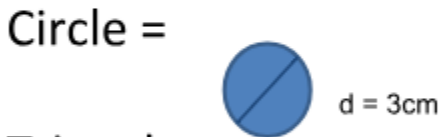
Come get a formula sheet!



$$A = l \times w = 5\text{cm} \times 5\text{cm} = 25\text{cm}^2$$



$$A = l \times w = 12\text{cm} \times 2\text{cm} = 24\text{cm}^2$$



$$A = \pi r^2 = \pi (1.5\text{cm})^2 = 7.065\text{cm}^2$$



$$A = \frac{b \times h}{2} = \frac{4\text{cm} \times 6\text{cm}}{2} = 12\text{cm}^2$$