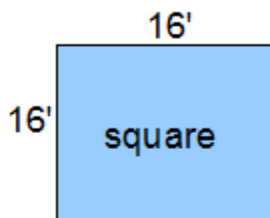


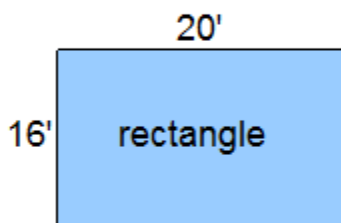
How to calculate area

Square or rectangle

$$\text{Area} = \text{length} \times \text{width}$$



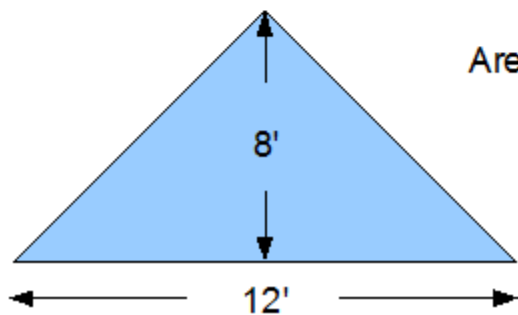
$$\begin{aligned}\text{Area} &= \text{length} \times \text{width} \\ &= 16' \times 16' \\ &= 256 \text{ square feet}\end{aligned}$$



$$\begin{aligned}\text{Area} &= \text{length} \times \text{width} \\ &= 16' \times 20' \\ &= 320 \text{ square feet}\end{aligned}$$

Triangle

$$\text{Area} = \frac{1}{2} \times \text{base} \times \text{height}$$



$$\begin{aligned}\text{Area} &= \frac{1}{2} \times \text{base} \times \text{height} \\ &= \frac{1}{2} \times 12' \times 8' \\ &= \frac{1}{2} \times 96 \\ &= 48 \text{ square feet}\end{aligned}$$

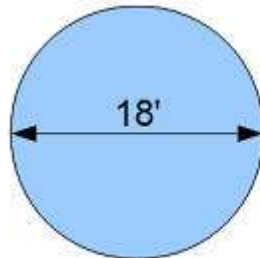
Circle

$$\text{Area} = \pi \times R^2$$

Area = Pi X Radius X Radius

Pi = 3.14

Radius = 1/2 diameter



$$\begin{aligned} \text{Area} &= 3.14 \times (18'/2)^2 \\ &= 3.14 \times (9' \times 9') \\ &= 3.14 \times 81 \\ &= 254.34 \text{ square feet} \end{aligned}$$

How to calculate Square footage of a house

(floor or ceiling area)

