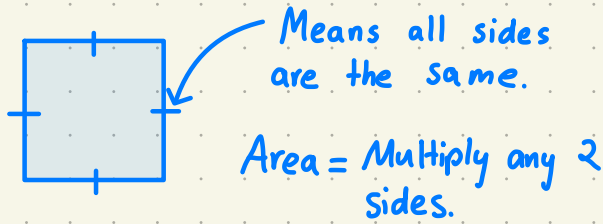


Area of Common Shapes

Examples

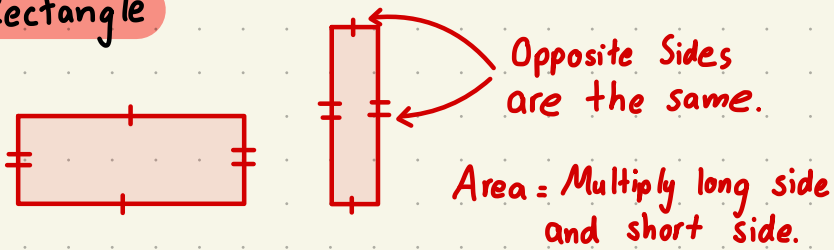
1. Square



$$\text{Area} = 2 \cdot 2 = 4$$

$$\text{Area} = 1 \cdot 1 = 1$$

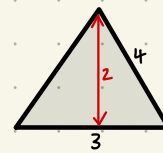
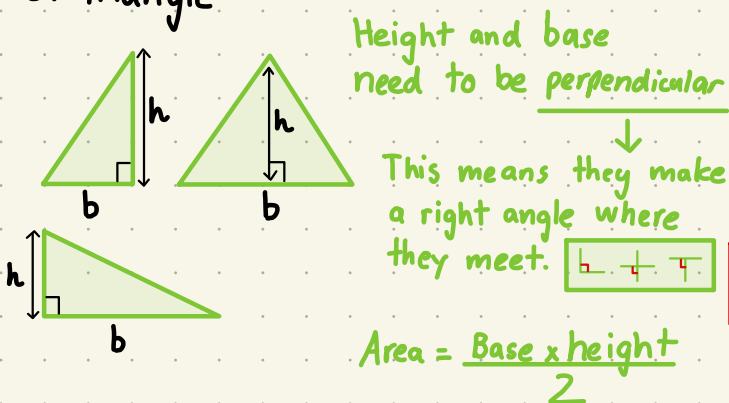
2. Rectangle



$$\text{Area} = 2 \cdot 1 = 2$$

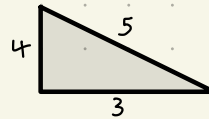
$$\text{Area} = 2 \cdot 3 = 6$$

3. Triangle



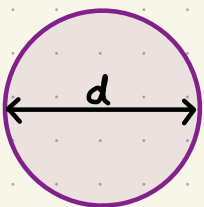
$$\text{Area} = \frac{2 \cdot 3}{2} = 2$$

$$\frac{3 \cdot 4}{2} = \text{Wrong since 4 and 3 are not perpendicular.}$$



$$\text{Area} = \frac{3 \cdot 4}{2} = 6$$

4. Circle



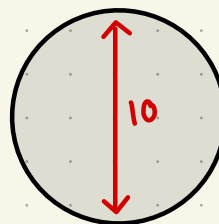
d = diameter

r = radius

$$d = 2 \cdot r$$

$$\text{Area} = \pi r^2$$

3.14 or $\frac{22}{7}$



$$d = 10$$

$$r = \frac{10}{2} = 5$$

$$\text{Area} = 3.14 \cdot 5 \cdot 5 = 78.5$$

$$\frac{5 \cdot 3}{2} = \text{Wrong}$$