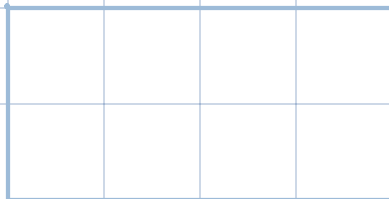


12.6 Area of Rectangles ♥

Area is the number of square units or units².

Area is Flat. 2 Dimensional (2D)



7cm

$$A = l \cdot w$$

$$A = 7 \times 14$$

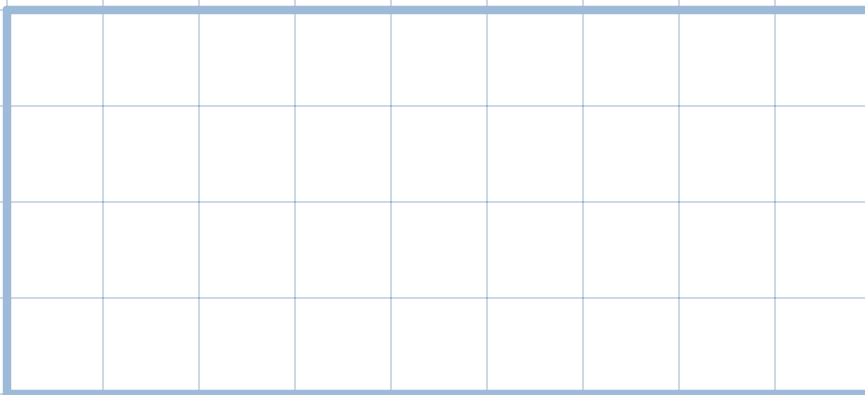
$$A = 98 \text{ cm}^2$$

14cm

$$\begin{array}{r} 14 \\ \times 7 \\ \hline 98 \end{array}$$

Area of a Rectangle

MM www.mathswithmum.com



4 units

9 units



① $A = l \cdot w$ formula

← area ← length ← width

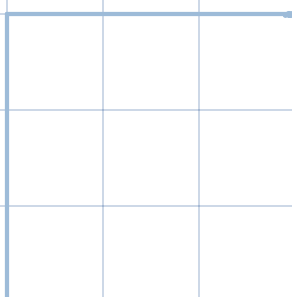
② $A = 4 \cdot 9$

③ $A = 36 \text{ units}^2$

- you can switch these because of commutative property ☺

$$\frac{5\frac{1}{2} \cdot 5\frac{1}{2}}{\frac{11}{2} \cdot \frac{11}{2} = \frac{121}{4} = 30\frac{1}{4}}$$

$$\frac{4\sqrt{121}}{121} = \frac{4 \cdot 11}{121} = \frac{44}{121} = \frac{4}{11}$$

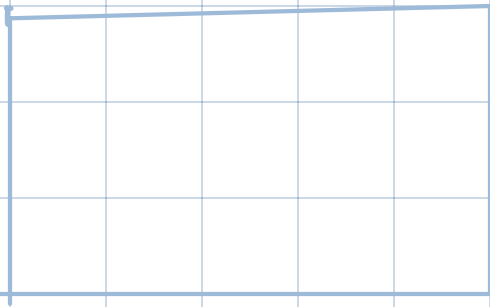


5 1/2 ft

$$A = l \cdot w$$

$$A = 5\frac{1}{2} \times 5\frac{1}{2}$$

$$A = 30\frac{1}{4} \text{ ft}^2$$



2.3 in

$$A = l \cdot w$$

$$A = 2.3 \times 5$$

$$A = 11.5 \text{ in}^2$$

$$\begin{array}{r} 2.3 \\ \times 5 \\ \hline 11.5 \end{array}$$

5 in



$$A = l \cdot w$$

$$A = 4 \cdot 8$$

$$A = 32 \text{ in}^2$$

$$A = l \cdot w$$

$$A = 4 \cdot 4$$

$$A = 16 \text{ in}^2$$

$$A = 32 + 16 = 48 \text{ in}^2$$