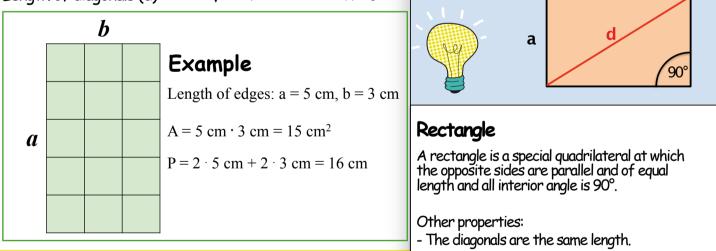


Rectangle: The most important formulas

 $\begin{array}{ll} \mbox{Area (A):} & A = a \cdot b \\ \mbox{Perimeter (P):} & P = 2 \cdot a + 2 \cdot b = 2 \cdot (a + b) \\ \mbox{Length of diagonals (d):} & d = \sqrt{a^2 + b^2} \ \mbox{(Theorem of pythagoras)} \end{array}$

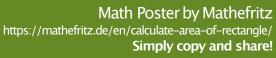


Tips on perimeter and area

Perimeter: Imagine you have to walk around the square or rectangle. Then you have to cover exactly the length of the perimeter. This is a good way to remember the formula for the perimeter!

Area: Calculating an area is always a multiplication! We always calculate one edge length multiplied by the other edge length.





a: length of edge 1, b: length of edge 2

b

d: diagonal

