Square: The most important formulas
Area (A):
Perimeter $(P)$ :
Length of diagonals (d):

$$
A=a^{2}
$$

$\mathrm{P}=4 \cdot a$


Rectangle: The most important formulas
Area (A):
$A=a \cdot b$
Perimeter (P):
$\mathrm{P}=2 \cdot a+2 \cdot b=2 \cdot(a+b)$
Length of diagonals (d): $d=\sqrt{a^{2}+b^{2}}$ (Theorem of pythagoras)



## 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: $\quad$ Calculating an area is always a multiplication! We always calculate one edge length multiplied by the other edge length.

