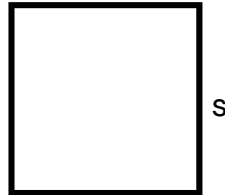


AREA

AREA

Area refers to the amount of space inside the enclosed space of the figure. Use these formulas to calculate the areas of a square and a rectangle.

Square



s = side

$$A = s^2$$

Rectangle



L = length

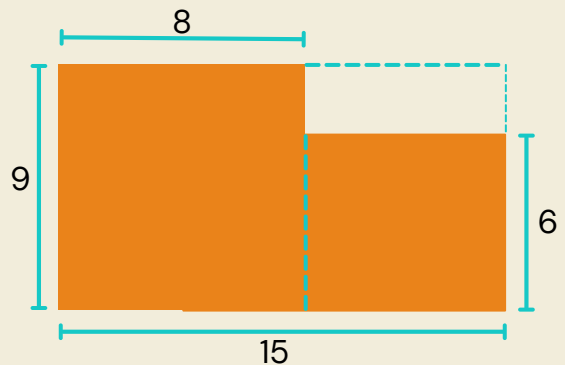
$$A = LW$$



AREA OF COMPLEX POLYGONS

These require complex thinking. To find the area of a partial figure, find the area of BOTH shapes (large and small rectangle (dotted lines)) and subtract the area of the small rectangle by the larger. You might need to do some thinking to figure out the side lengths of the small one!

(figure not drawn to scale)



Area of large rectangle: $15 \times 9 = 135$

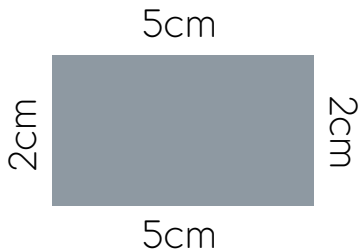
Area of small rectangle: $7 \times 3 = 21$

Area of Figure: $135 - 21 = 114$

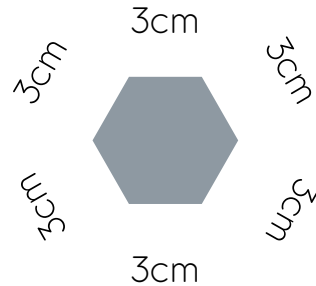


Calculate Perimeter

The perimeter is the distance around the outside of a shape. To calculate the perimeter, add up all sides or lengths of a shape.



Perimeter: $2 + 5 + 2 + 5 = 14\text{cm}$



Perimeter: $3 + 3 + 3 + 3 + 3 + 3 = 18\text{cm}$

YOUR TURN

Add the sides to find the perimeter of these shapes.

