# Mathematics

## Area and Perimeter

## Thursday

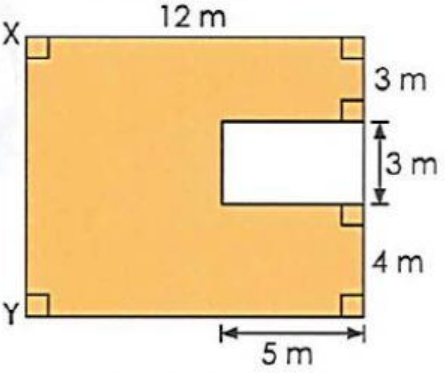
**Read and Understand**

### Finding area of composite figures by subtracting areas of rectangles

**Let's Learn**

a) Find the area of the shaded figure.

Picture It

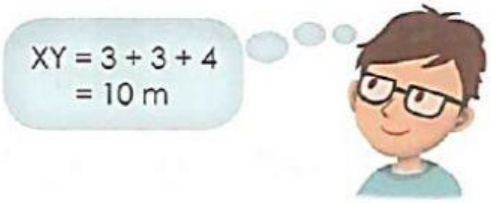




1 2 4 3 +

Area of shaded figure
= Area of big rectangle – Area of small rectangle

Area of big rectangle = 12 × XY
= 12 × 10
= 120 m²

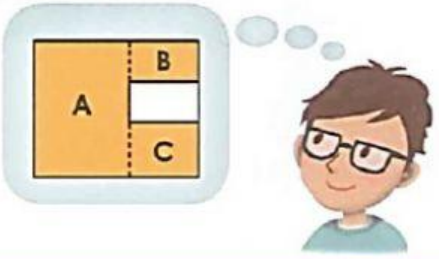



Area of small rectangle = 5 × 3
= 15 m²

Area of shaded figure = 120 – 15
= 105 m²

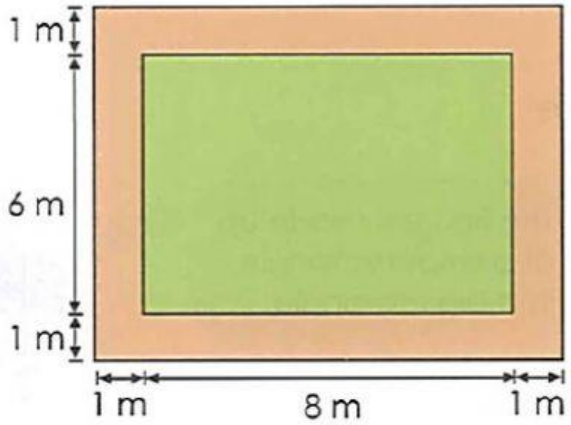
The area of the shaded figure is 105 square meters.

Think of another way to find the shaded area.
Which method is easier?



# Read and Understand

b) The figure shows a rectangle with a border 1 meter wide around it. Find the area of the border.




Area of the border
= Area of big rectangle
– Area of small rectangle

Area of big rectangle = $10 \times 8$
= ☐ $m^2$

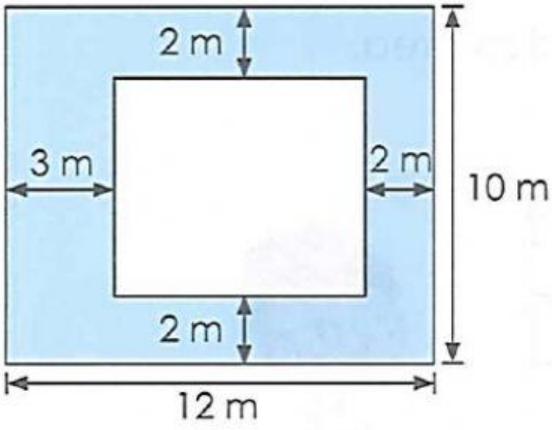
Area of small rectangle = $8 \times 6$
= ☐ $m^2$

Area of border = ☐ – ☐
= ☐ $m^2$

The area of the border is ☐ square meters.

# Do

The figure shows a small rectangle in a big rectangle. Find the area of the shaded part of the big rectangle.



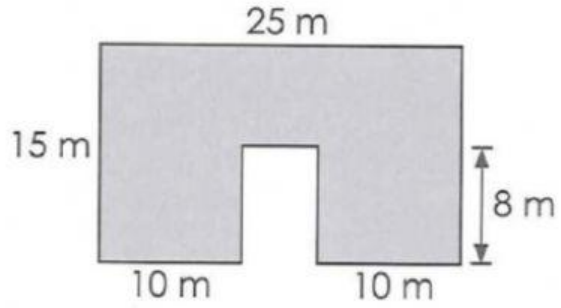

Area of shaded part
= Area of big rectangle
– Area of small rectangle

☐ $cm^2$

Work it out on paper and type only the answer in the blocks.

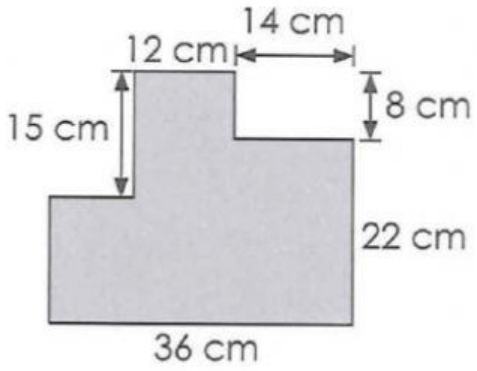
Find the area of each figure.
All sides meet at right angles.

a)



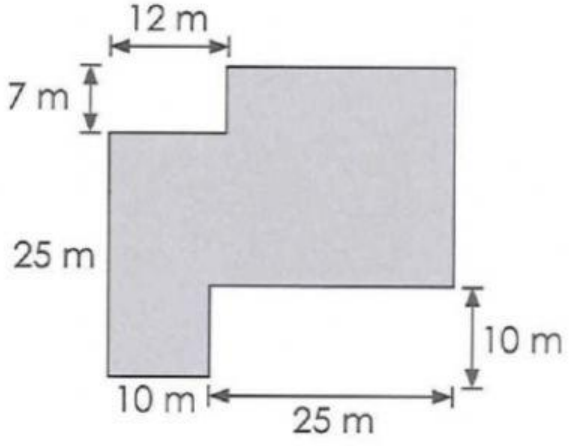

□ $cm^2$

b)




□ $cm^2$

c)

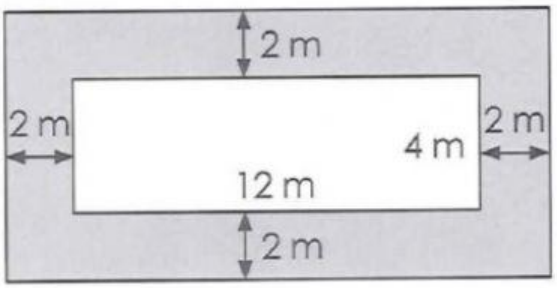



□ $cm^2$

Work it out on paper and type only the answer in the blocks.

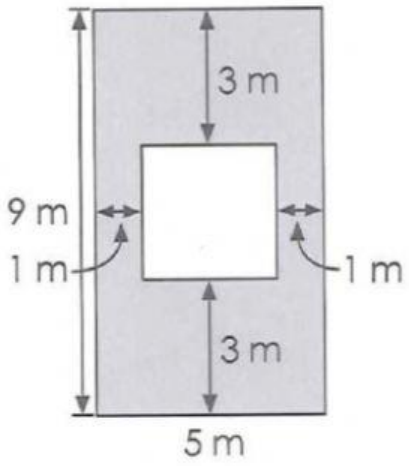
Each figure shows a small rectangle in a big rectangle.
Find the area of the shaded part of each figure.

a)



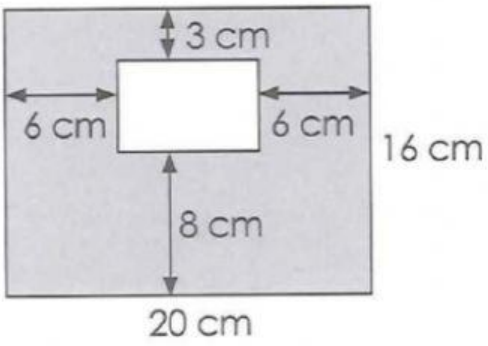

□ $cm^2$

b)




□ $cm^2$

c)




□ $cm^2$