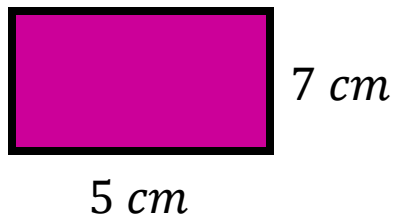


Timester Challenge

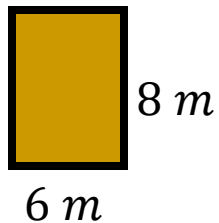
Area of Rectangles



Work out the area of this rectangle.

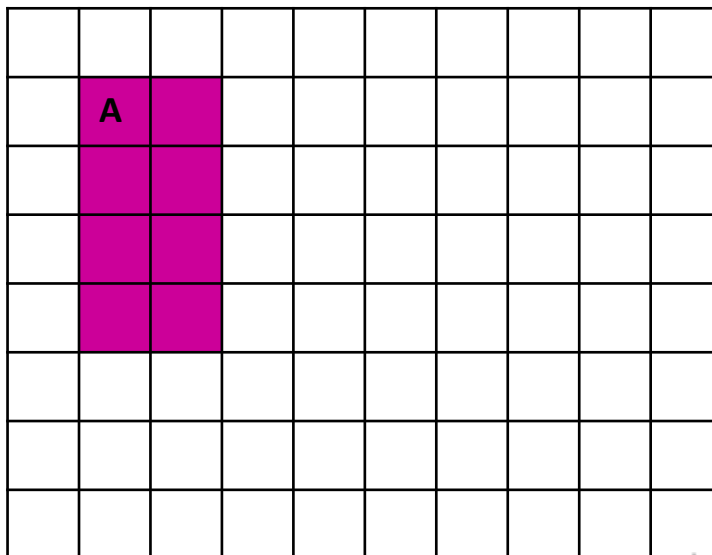


A tin of varnish cost £14.99 and covers $9m^2$.
A rectangular floor needs to be covered in varnish. How much will it cost to cover the whole floor in varnish?



Bronze ★

- a) Draw a rectangle that is congruent to rectangle A. Label it B.
- b) Draw a rectangle that has the same area as rectangle A. Label it C



Silver ★

A square has a perimeter of 36cm.
Calculate the area of the square.

Gold ★

Paul wants to wallpaper his feature wall.
The feature wall measures $4.8m$ by $3m$.
Each piece of wall paper is cut to a size of $60cm$ by $300cm$. If no piece of wallpaper overlaps, find the maximum number of pieces he will need.

Gold ★



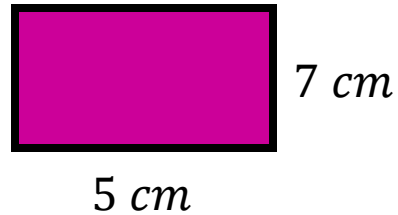
Timester Challenge

Area of Rectangles



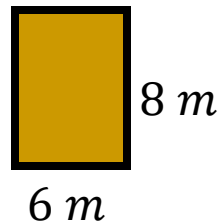
Answers

Work out the area of this rectangle.



$$7 \times 5 = 35\text{cm}^2$$

A tin of varnish cost £14.99 and covers 9m^2 .
A rectangular floor needs to be covered in varnish. How much will it cost to cover the whole floor in varnish?



$$8 \times 6 = 48\text{m}^2$$

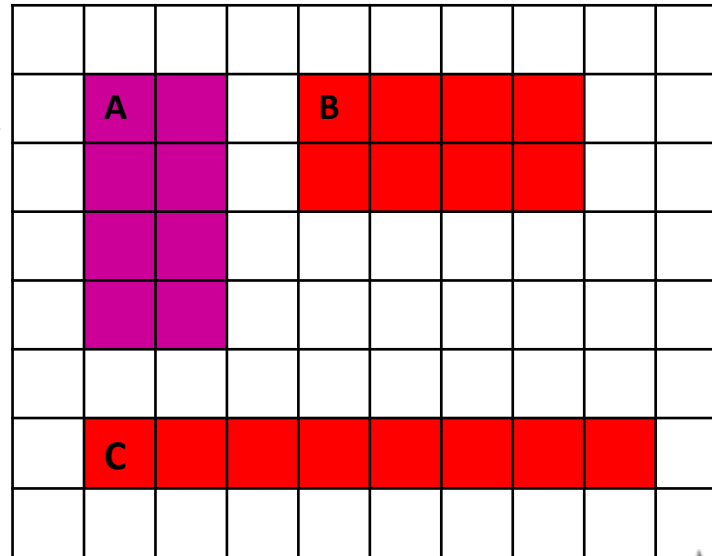
$$\frac{48}{9} = 5.\dot{3} \text{ tins}$$

Need to buy 6 tins.
 $6 \times \text{£}14.99 = \text{£}89.84$

Bronze ★

a) Draw a rectangle that is congruent to rectangle A. Label it B.

b) Draw a rectangle that has the same area as rectangle A. Label it C



Silver ★

A square has a perimeter of 36cm. Calculate the area of the square.

$$\text{A length: } 36 \div 4 = 9\text{cm}$$

$$\text{Area: } 9 \times 9 = 81\text{cm}^2$$

Gold ★

Paul wants to wallpaper his feature wall. The feature wall measures 4.8m by 3m . Each piece of wall paper is cut to a size of 60cm by 300cm . If no piece of wallpaper overlaps, find the maximum number of pieces he will need.

$$480 \div 60 = 7 \text{ across}$$

$$300 \div 300 = 1 \text{ high}$$

7 strips of wall paper needed.

Gold ★