

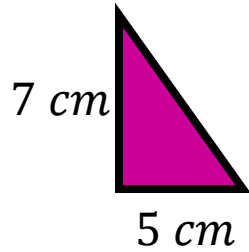


# Timester Challenge

## Area of a Triangle

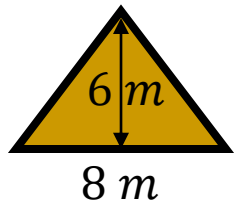


Work out the area of the triangle.

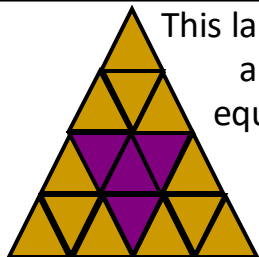


Bronze ★

Calculate the area of the triangle.



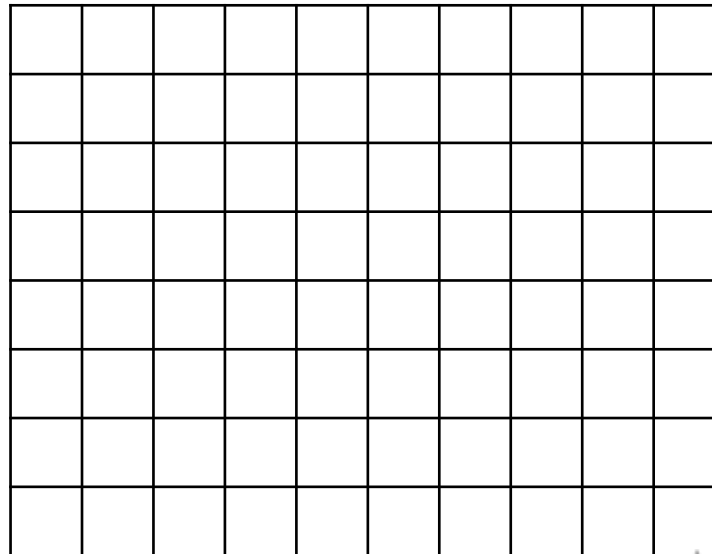
Bronze ★



This large triangle has an area  $64\text{cm}^2$  and is made up of 16 congruent equilateral triangles. Calculate the area of the purple triangle.

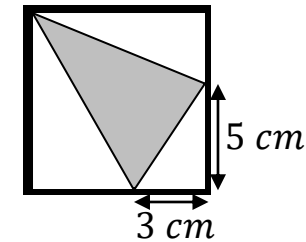
Bronze ★

- a) Right angled triangle with an area of  $8\text{cm}^2$  on the grid below. Label it A.  
 b) Draw an isosceles triangle with an area of  $10\text{cm}^2$  on the grid below. Label it B.



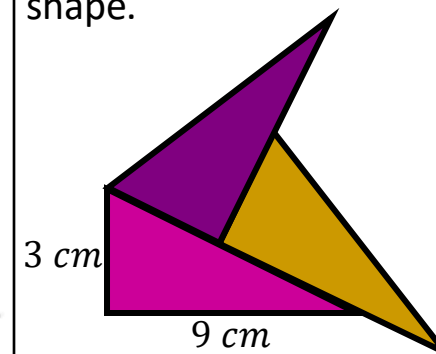
Silver ★

The diagram shows a square with an area of  $49\text{cm}^2$ . Work out the proportion of the area inside the square that is shaded.



Gold ★

This shape is made up of congruent right-angled triangles. Find the total area of the shape.



Gold ★



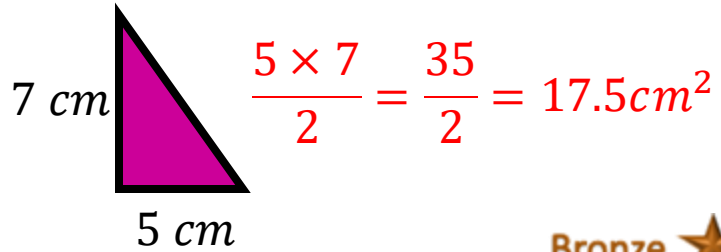
# Timester Challenge

## Area of a Triangle

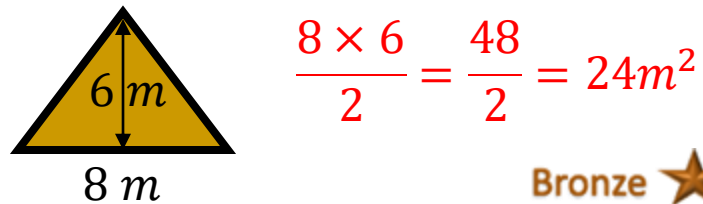


### Answers

Work out the area of the triangle.



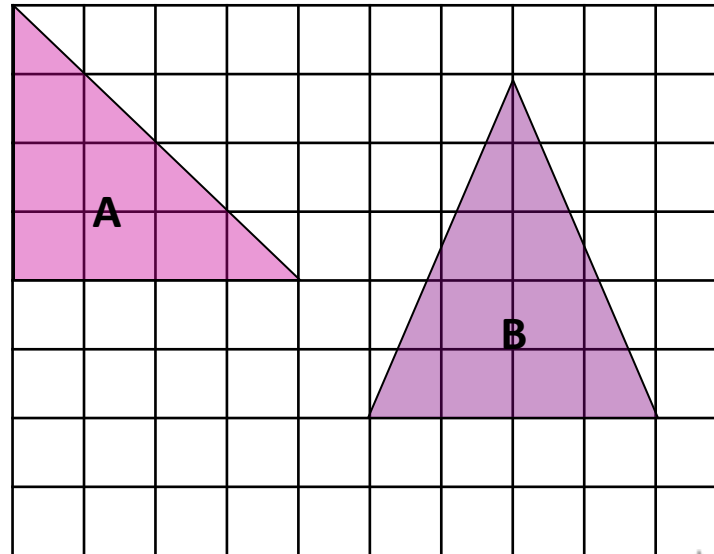
Calculate the area of the triangle.



This large triangle has an area  $64 \text{ cm}^2$  and is made up of 16 congruent equilateral triangles. Calculate the area of the purple triangle.  
 $64 \div 16 = 4 \text{ cm}^2$  per Triangle  
 $4 \times 4 = 16 \text{ cm}^2$  purple Triangle

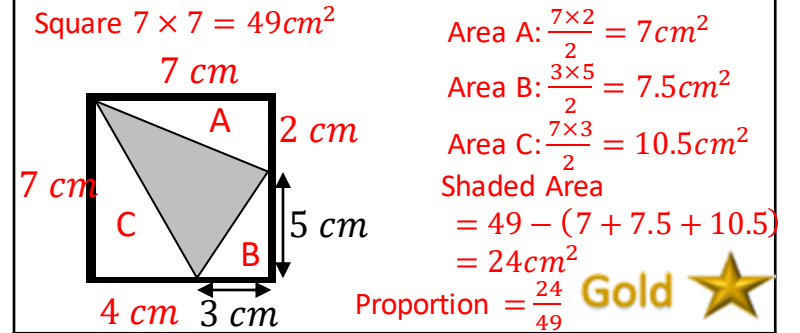
Bronze ★

- a) Right angled triangle with an area of  $8 \text{ cm}^2$  on the grid below. Label it A.  
 b) Draw an isosceles triangle with an area of  $10 \text{ cm}^2$  on the grid below. Label it B.



Silver ★

The diagram shows a square with an area of  $49 \text{ cm}^2$ . Work out the proportion of the area inside the square that is shaded.



This shape is made up of congruent right-angled triangles. Find the total area of the shape.

