Spot the links...



Find the area of each of the following triangles:



Alpha Exercise

Find the area of each of the following triangles:











Explain the mistake

Emma says that the missing length is 5 cm because $5 \times 10 = 50 \text{ cm}^2$.

Emma is wrong.

Area = 50 cm²

Explain why.



Exam-style question 1

Four identical triangles are tiled as shown to form one large triangle with a base of 12 metres, and a height of 10 metres, as shown in the diagram.

Work out the area of one tile.



Exam-style question 2

Tyler draws a triangle whose base is equal to its perpendicular height.

The area of the triangle is 18 cm², and one of the sides is 9 cm long.

Find the base and height of the triangle.

 $Area = 18 \text{ cm}^2$



Exam-style question 3

Here is a grid made up of equilateral triangles. Each small triangle has an area of 5 cm^2 .

What is the area of the shaded triangle?

The triangle is half of a parallelogram made up of 12 small triangles, each with an area of
$$5 \text{ cm}^2$$
.
Area = $\frac{5 \times 12}{2} = 30 \text{ cm}^2$



