MathsDivide each rectangle into two right-angled triangles.
The first one has been done for you.

a) Calculate the area of the rectangle and the triangle.


b) Explain how you worked out the area of the right-angled triangle.

3
Calculate the areas of the right-angled triangles.

(4) Whitney is calculating the area of the triangle using the formula Area $=\frac{1}{2} \times$ base $\times$ perpendicular height


Do you agree with Whitney? Talk about it with a partner.

5 Insert the correct numbers into the formula to calculate the area of the triangle. Give units with your answer.
 Maths
4. Whitney is calculating the area of the triangle using the formula.

Area $=\frac{1}{2} \times$ base $\times$ perpendicular height


Do you agree with Whitney? Talk about it with a partner.

(5) Insert the correct numbers into the formula to calculate the area of the triangle. Give units with your answer.

b)


6 Calculate the areas of the triangles.

c)

d)


7 The width of the right-angled triangles is increasing by 1 cm .




Investigate the pattern for the areas.
What happens to the pattern if the length and width increase?

