

Area of non right-angled triangles

Area C2

Calculate the areas of these non right-angled triangles by splitting them into two right-angled triangles.

$$1. 4 \times 8 = 32$$

$$A = 16 + 16 = 32 \text{ cm}^2$$

1

2

3

4

5

6 Ruth thinks of a rectangle that has a length of 12 cm and a width of 8 cm. Both diagonals are drawn to create four triangles. Can you find the areas of the four triangles?

Can you find the areas of the four triangles... to create four triangles.

Explore

1

2

3

Draw these polygons on squared dotted paper. For each polygon, write:

- its area (A)
- the number of dots on the perimeter (P)
- the number of inside dots (I)

Shape	A	P	I
1			
2			
3			

Investigate a relationship between A, P and I.
Try other polygons.

41

