

**C2 Area**

## Area of shapes that contain right-angled triangles

Find the areas of these shapes.

1.  $A = 2 \text{ cm}^2$

Calculate the length of the lettered sides.

10.  $A = 20 \text{ cm}^2$

11.  $A = 24 \text{ cm}^2$

12.  $A = 31.5 \text{ cm}^2$

13.  $A = 22 \text{ cm}^2$

Calculate the area of each pin-board shape.

14.  $A = 1.5 \text{ units}^2$

**Explore**

On a  $3 \times 3$  dotted grid, create different polygons that have an area of  $1 \text{ cm}^2$ . Now try for shapes with areas  $1\frac{1}{2} \text{ cm}^2$ ,  $2 \text{ cm}^2$ ,  $2\frac{1}{2} \text{ cm}^2$ , ...,  $4 \text{ cm}^2$ . How many of each can you create?

40

