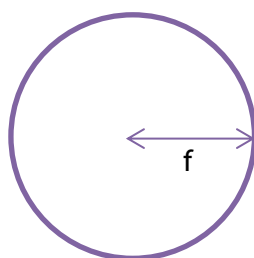
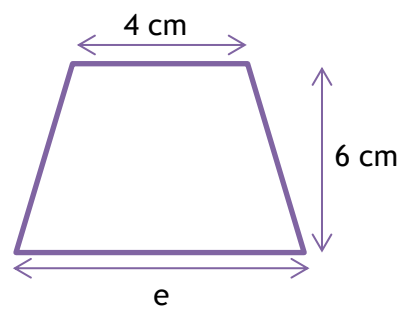
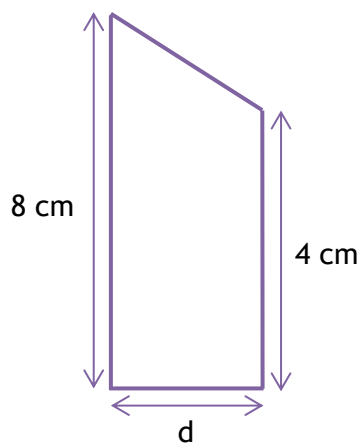
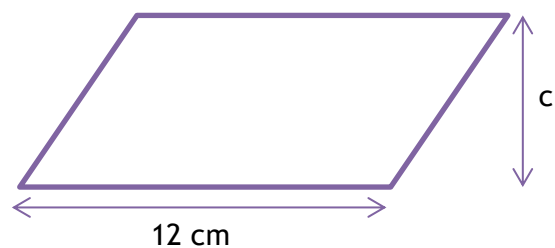
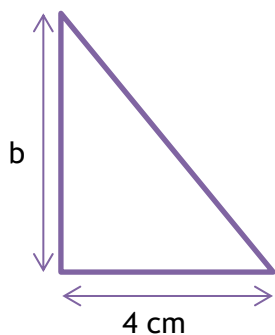
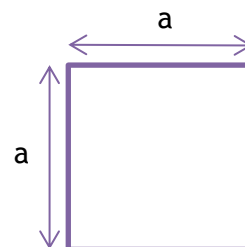
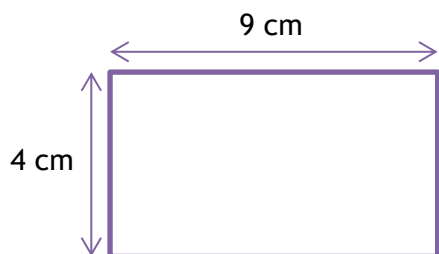


The following shapes all have the same area.

Find the missing lengths.

Not drawn to scale!



Answers:

$$a = 6\text{cm}$$

$$b = 18\text{cm}$$

$$c = 3\text{cm}$$

$$d = 6\text{cm}$$

$$e = 8\text{cm}$$

$$f = \frac{6}{\sqrt{\pi}} = 3.39 \text{ cm (to 2dp)}$$