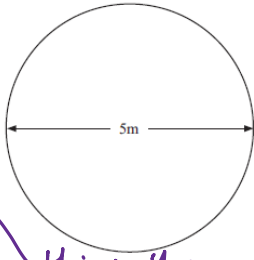


## How to ...

Q5. Jon has a flower garden in the shape of a circle. The diameter of the garden is 5 metres. *So radius = 2.5 (I might not need it!)* Jon wants to put fencing around the edge of the garden. The fencing costs £1.80 per metre.



*this is the circumference*

Work out the cost of the fencing.

*You need to know the 2 circle formulae*

*Circumference =  $\pi \times D$  and Area =  $\pi r^2$*

*Circumference =  $\pi \times 5$   
= 15.70796327*

*(leave this number in your calculator)*

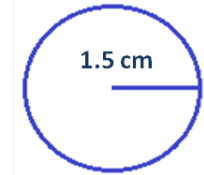
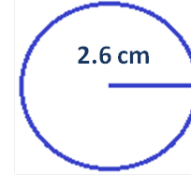
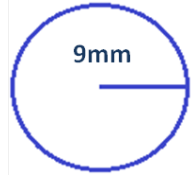
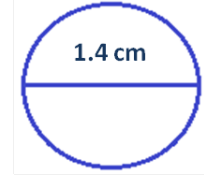
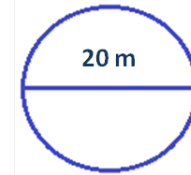
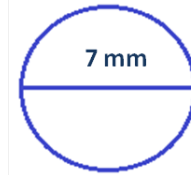
*Cost = 15.707...  $\times$  1.80  
= 28.2743388*

*£'s so we need to round  $\rightarrow$  £28.27*

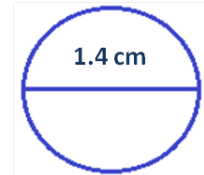
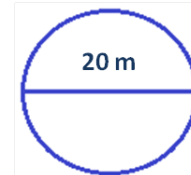
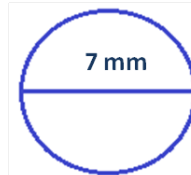
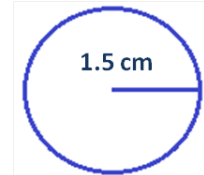
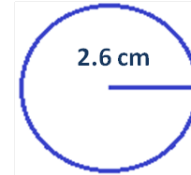
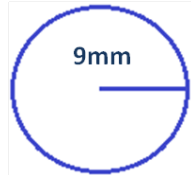
(3)

Now have a go yourself ... Answers to 1 decimal place.

Q1. Work out the circumference of the following :



Q2. Work out the area of the following:

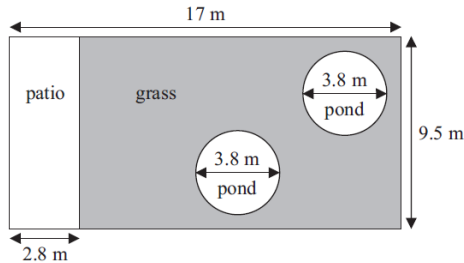


**STAR QUESTION:**

What is the radius of a circle with a circumference of 33.912 cm (using pi as 3.14)?

## Exam Questions

Mr Weaver's garden is in the shape of a rectangle. In the garden there is a patio in the shape of a rectangle and two ponds in the shape of circles with diameter 3.8 m. The rest of the garden is grass.



Mr Weaver is going to spread fertiliser over all the grass. One box of fertiliser will cover  $25 \text{ m}^2$  of grass. How many boxes of fertiliser does Mr Weaver need? You must show your working

## Ready to be marked ?

### Checklist



Answers checked



Units stated



### Keywords

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### Things to remember ...

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### What went well ...

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### Teacher comment ..