6.

9cm
7cm
5cm
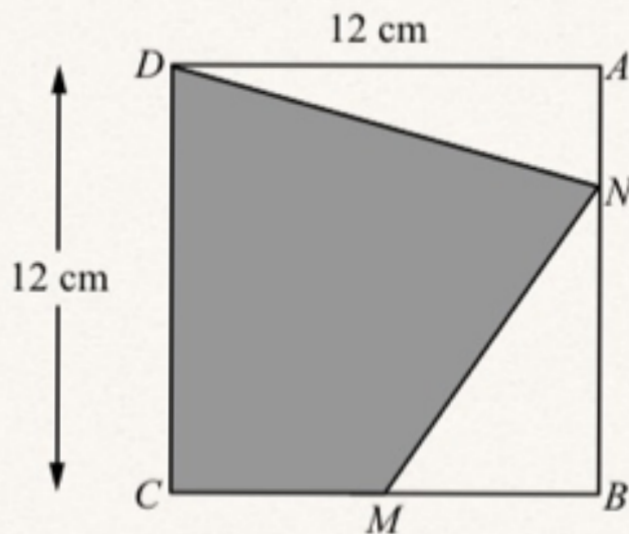12cm

Work out the area of the shape.

11.

12 cm

12 cm

D A N C M B

ABCD is a square of side 12 cm.
M is the midpoint of CB.
N is a point on AB.

$AN = \dfrac{1}{4} AB.$

Calculate the area of the shaded region CDNM.

*5 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.
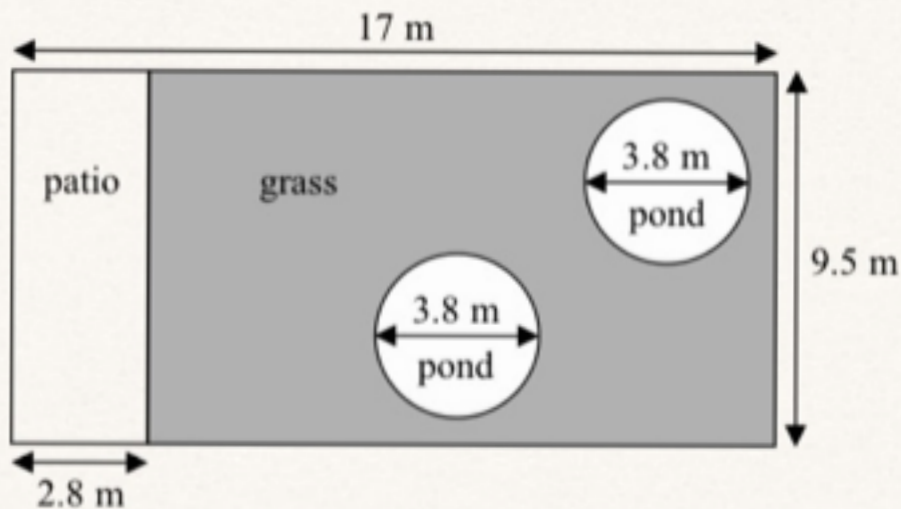
The rest of the garden is grass.

Diagram N
accurately

Mr Weaver is going to spread fertiliser over all the grass.
One box of fertiliser will cover 25 m² of grass.

How many boxes of fertiliser does Mr Weaver need?
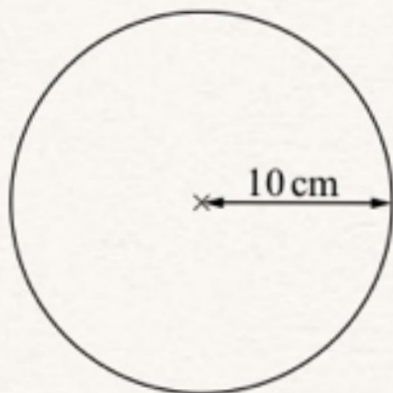You must show your working.

5.

10 cm

The radius of a circle is 10 cm.

Work out the area of this circle.
Use $\pi = 3.14$

7. A circle has a radius of 5 cm.

5 cm

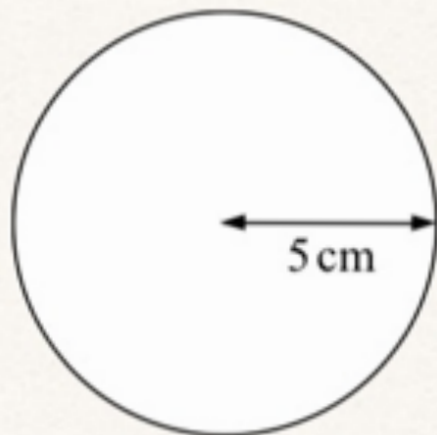Work out the area of the circle.
Give your answer correct to 3 significant figures.

7. A circle has a diameter of 12 cm.

12 cm

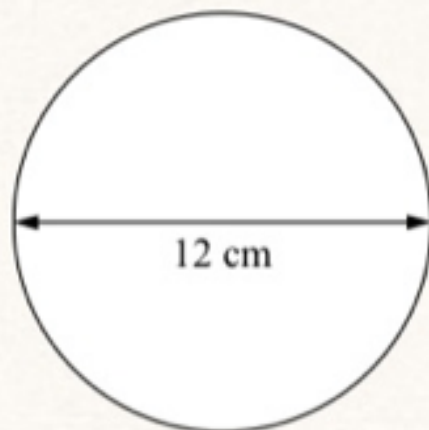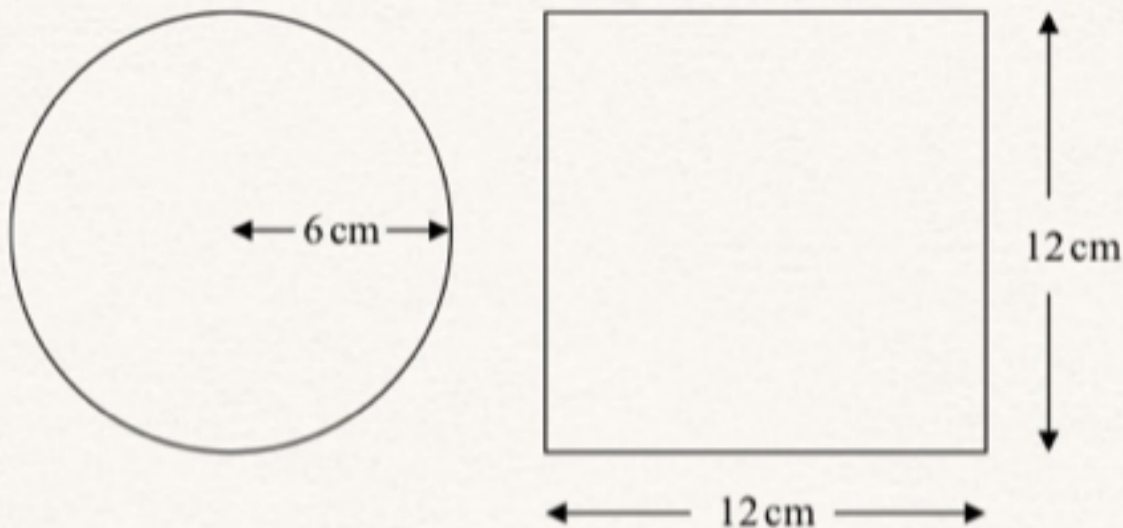Work out the circumference of the circle.
Give your answer correct to 3 significant figures.

.... cr

6.

A circle has a radius of 6 cm.

A square has a side of length 12 cm.

Work out the difference between the area of the circle and the area of the square.
Give your answer correct to one decimal place.

8. The diagram shows a CD.
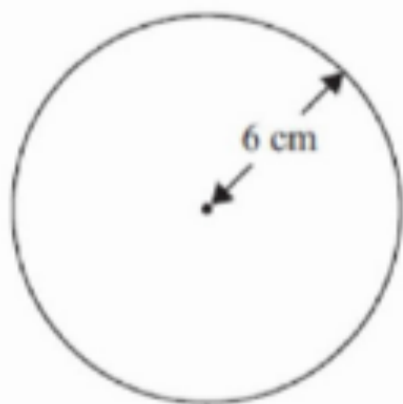The CD is a circle of radius 6 cm.

6 cm

Diagram **NOT**
accurately drawn

(a) Work out the circumference of the CD.
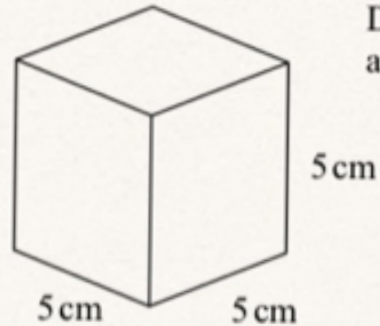
9. **(a)** A solid cube has sides of length 5 cm.

Diagram **NOT** accurately drawn

5 cm

5 cm   5 cm

Work out the total surface area of the cube.
State the units of your answer.

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(4)