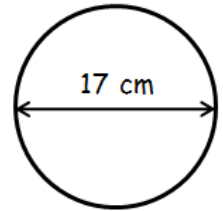# Level 4+ Homework – The Circle 1

(Remember use the π button)

1. (a) Find the area of the circle given the diameter opposite. (nearest whole number)
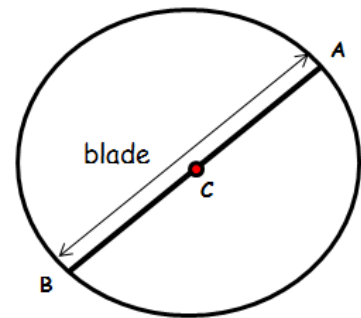
   (b) Find the circumference of the circle. (nearest centimetre)

17 cm

6 marks

2. The circular fan has area 5281.02 m^2

   (a) Find the radius of the blade. (nearest whole number)
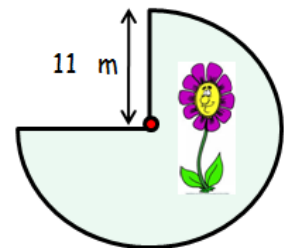   (nearest metre)

   blade

   A

   C

   B

   (b) Find the diameter of the circle. (nearest whole number)
   (nearest metre)

4 marks

Q3. A flower bed is the shape of a circle with a quarter removed.
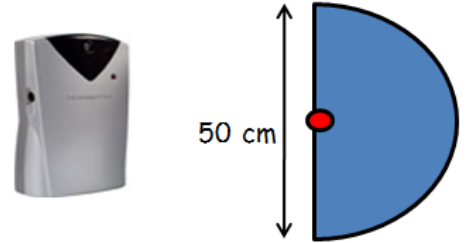
   Find the perimeter of the flower bed.

11 m

4 marks

Level 4+ Homework – The Circle 1

(Remember use the π button)

4. A security beam is in the shape of a semi-circle.

    (a) Find the area of the beam.

        (nearest whole number)

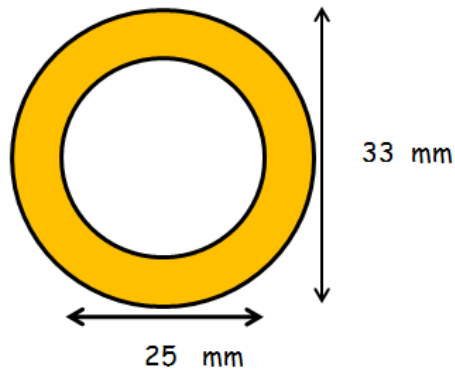   (b) Find the **TOTAL** perimeter of the beam.

        (nearest centimetre)

50 cm

<div align="right">5 marks</div>

5. A Gold ring is shown opposite.

    Calculate the area of gold shown.

    (nearest whole number)

33 mm

25 mm

<div align="right">4 marks</div>

<div align="right">Total 23</div>