Name :

Teacher :

Official Homework 9   The Circle

Created by Mr Lafferty
St. Ninian's High School

This homework covers topics   Score

Basic Number Operations	☐	Fractional Context	☐
Simple Circumference & Area	☐	Big Area Small Area	☐
Area Radius & Diameter	☐	Fractional Context	☐

41

Teacher Comments :

Pupil's Comment :

1. Carry out the following instructions.   (NON - CALCULATOR QUESTION)

(a)   11   -   2.6   +   2.33   Working :
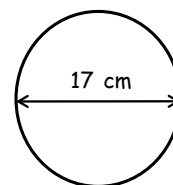
(b)   34.7   x   7   Working :

(c)   2200   ÷   400   Working :

(d) $\dfrac{8}{9}$ of   576   Working :

(5 marks)

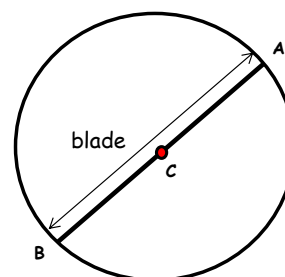2. (a) Find the area of the circle given the diameter opposite.

17 cm

(b) Find the circumference of the circle.

(7 marks)

---

3. The circular fan has area   1520.53   m^2

(a) Find the radius of the blade.
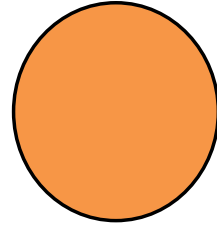
A

blade

C

B

(b) Find the diameter of the circle.

(5 marks)

4. (a) A table is in the shape of a circle.

The circumference is 6562.79 mm. Find the diameter.
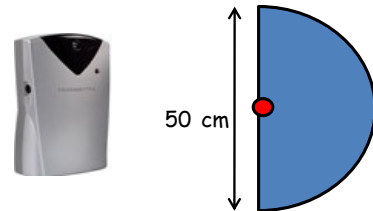
(b) Find the radius of the table.

(5 marks)

5. A security beam is in the shape of a semi-circle.
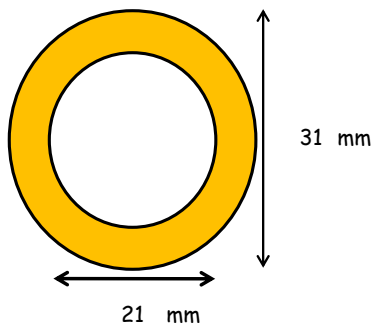
(a) Find the area of the beam.

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

50 cm

(7 marks)

6. A Gold ring is shown opposite.

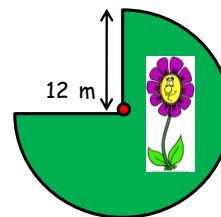   Calculate the area of gold shown.

31 mm

21 mm

(5 marks)

Q7. A flower bed is the shape of a circle with a quarter removed.

   Find the area of the flower bed.

   (b) Find the perimeter of the flower bed.

12 m

(7 marks)

Total marks 41