



## Drawing circles

1. The distance around a circle is called the circumference
2. The widest distance across a circle is called the diameter
2. To work out the circumference use the following help

$$\text{Circumference} = \text{diameter} \times 3.14$$

The following questions should be answered using the resource sheet on page 2.

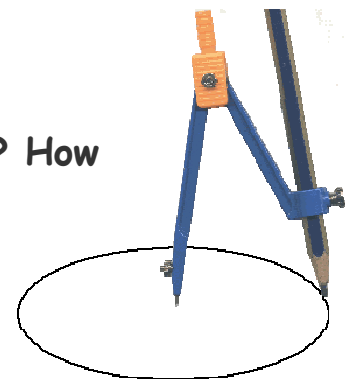
1. Label the parts of the circle on the resource sheet on page 2.
2. Use a pair of compasses to draw a circle with :
  - (i) a radius of 3cm
  - (ii) a radius of 4.5cm
  - (iii) Write down the diameter of each circle you have drawn above

3. Draw a circle with a radius of 5cm.

Use the help box at the top of the page to work out the circumference of your circle.

### Challenge :

Can you draw a circle with a circumference of 30cm? How wide should your pair of compasses be?  
(Use the back of the resource sheet to draw it)



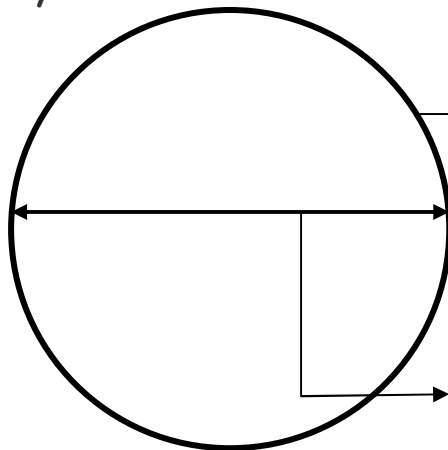
Useful help :  $\text{Circumference} \div 3.14 = \text{diameter}$ .

$\text{Diameter} \div 2 = \text{radius}$  (this is your compass width)

## RESOURCE SHEET

The distance all the way around the circle is called the .....

1.



The widest distance across the circle is called the

.....

2. (i)

(ii)

Diameter = .....cm

Diameter = .....cm

3.

Circumference of the circle = ..... cm