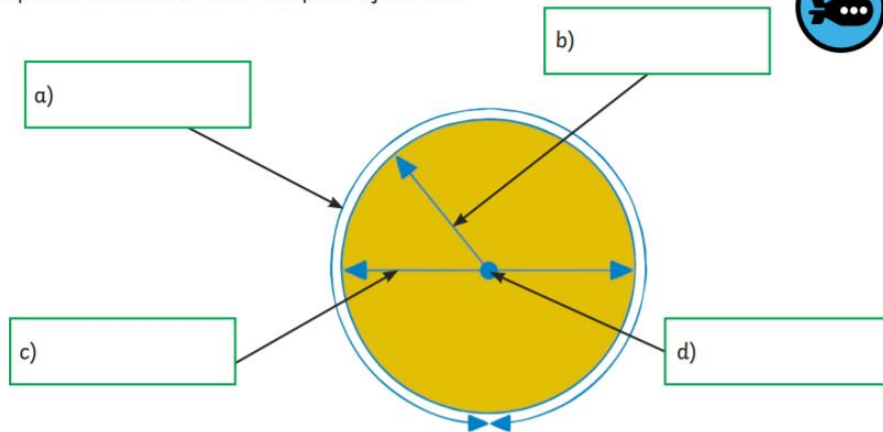### Year 6 Maths Questions:

Using a compass, draw and label (radius, diameter, circumference) the following:

- A circle with a radius of 4cm
- A circle with a diameter of 6cm
- A circle with a radius of 5cm
- A circle with a diameter of 12cm

1) Use the words below to complete the labels to show the parts of a circle.

radius
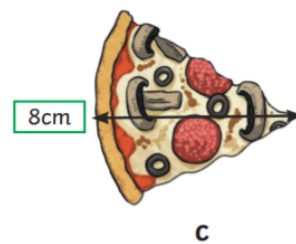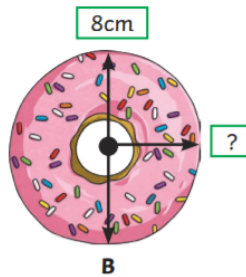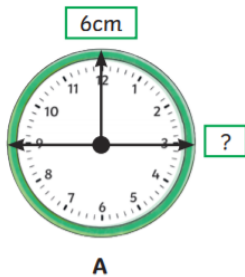
diameter

centre

circumference

a)

b)

c)

d)

2) Complete these sentences

The diameter of a circle is _____ the length of the radius.

The radius of a circle is _____ the length of the diameter.

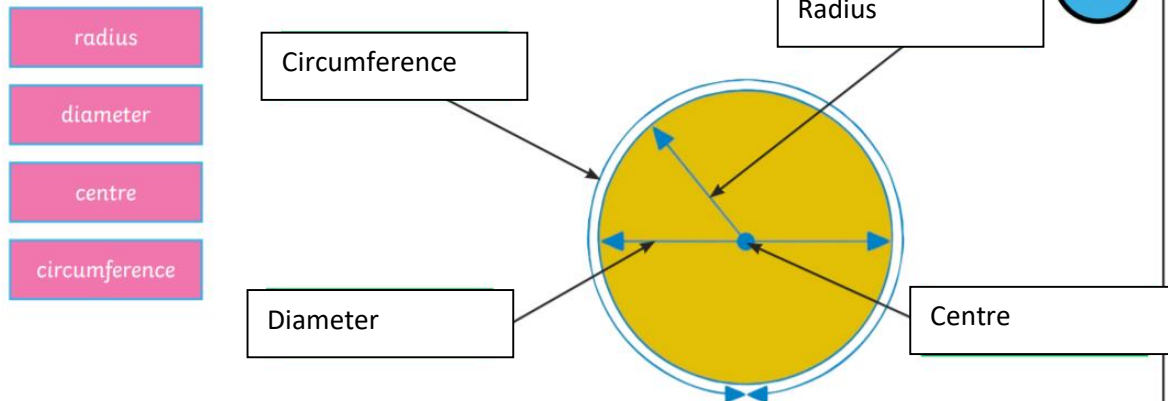**3)** Find the diameter and radius of these objects.

Not to scale

6cm

?

A

8cm

?

B

8cm

C

	Radius	Diameter
A		
B		
C		

Using a compass, draw and label (radius, diameter, circumference) the following:

- A circle with a radius of 4cm
- A circle with a diameter of 6cm
- A circle with a radius of 5cm
- A circle with a diameter of 12cm

1) Use the words below to complete the labels to show the parts of a circle.
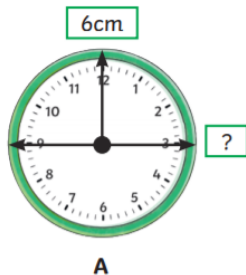
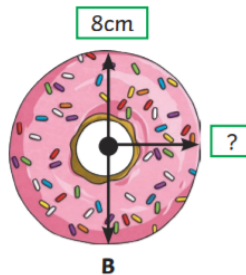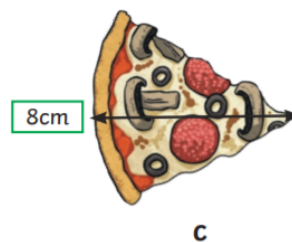| radius |
| diameter |
| centre |
| circumference |

13cm

Circumference

Radius

Diameter

Centre

2) Complete these sentences

Twice/double

The diameter of a circle is _____ the length of the radius.

half

The radius of a circle is _____ the length of the diameter.

3) Find the diameter and radius of these objects.

Not to scale

6cm   ?   A

8cm   ?   B

8cm   C

	Radius		Diameter	
A	6cm		12cm	
B	4cm		8cm	
C	8cm		16cm	

3 A 2 pence coin has a diameter of 26 mm.

What is the length of the radius of a 2 pence coin?

_____ mm