Maths Mastery

Circles

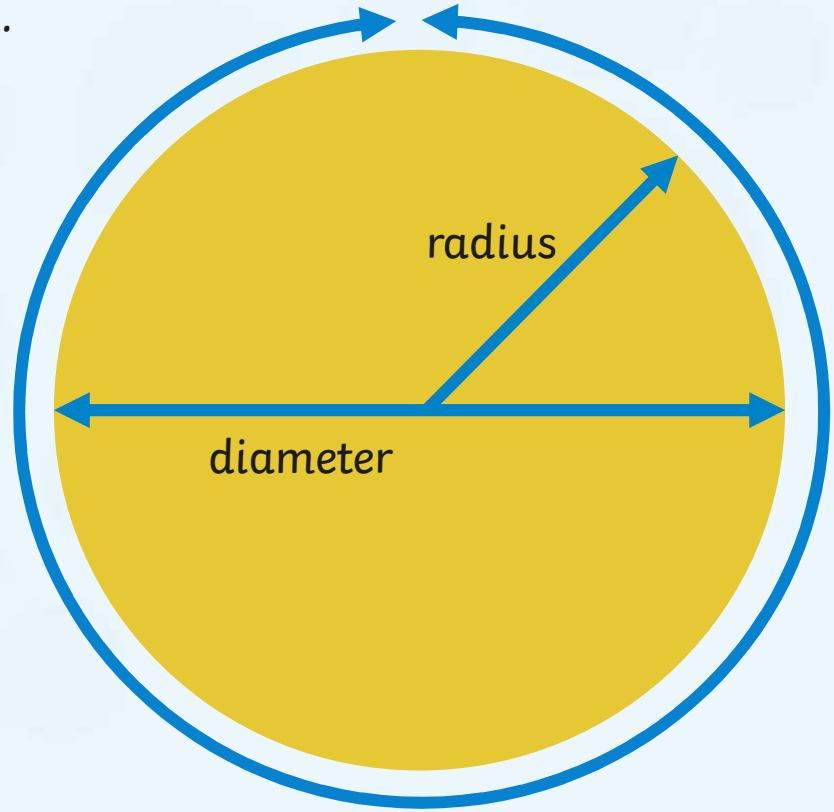
Label

Draw a circle with a radius of 5cm.

Draw a line across the circle, splitting it in half.

Draw a line from the centre of the circle to the outside edge.

Label the parts of the circle.



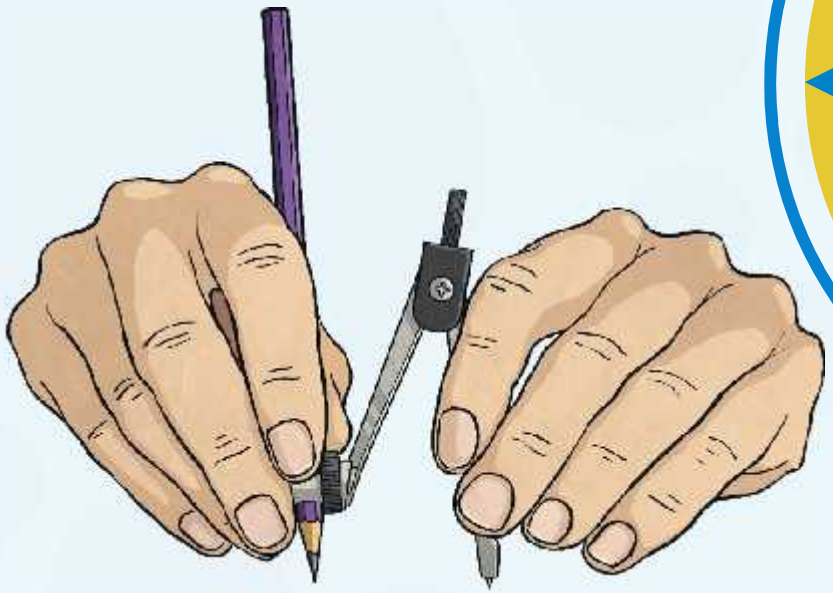
Compare your answers with a partner.

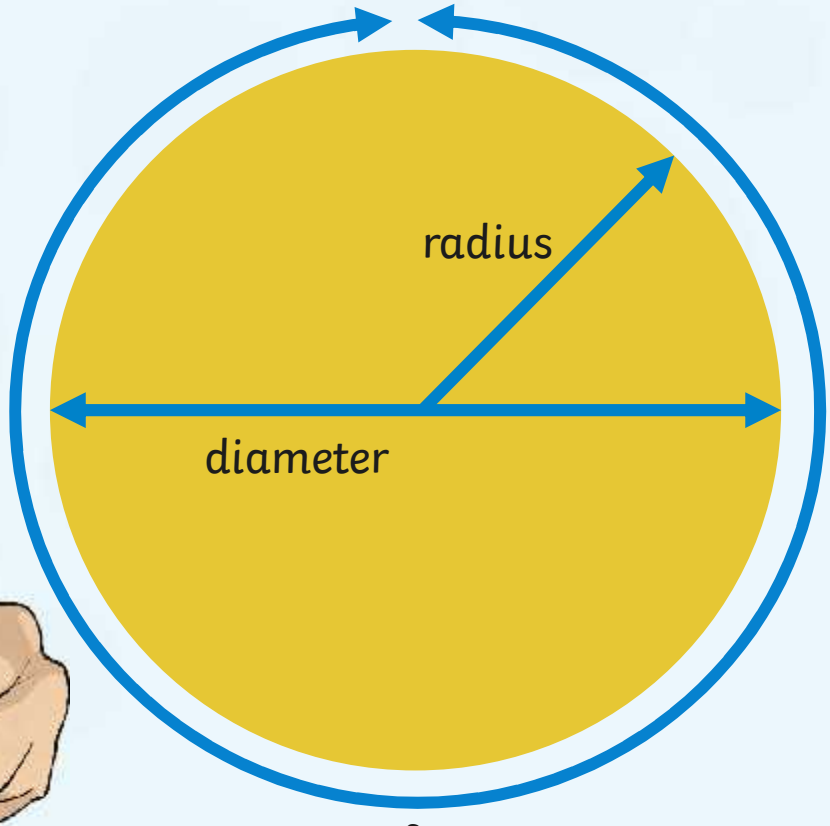
Hide Answers

Draw

Draw a circle with a radius of 6cm.

Draw and label the circumference, diameter and radius.





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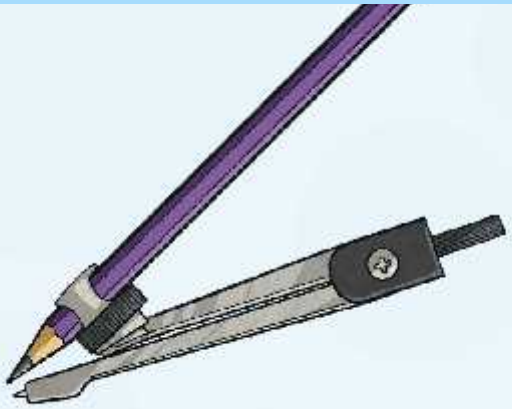
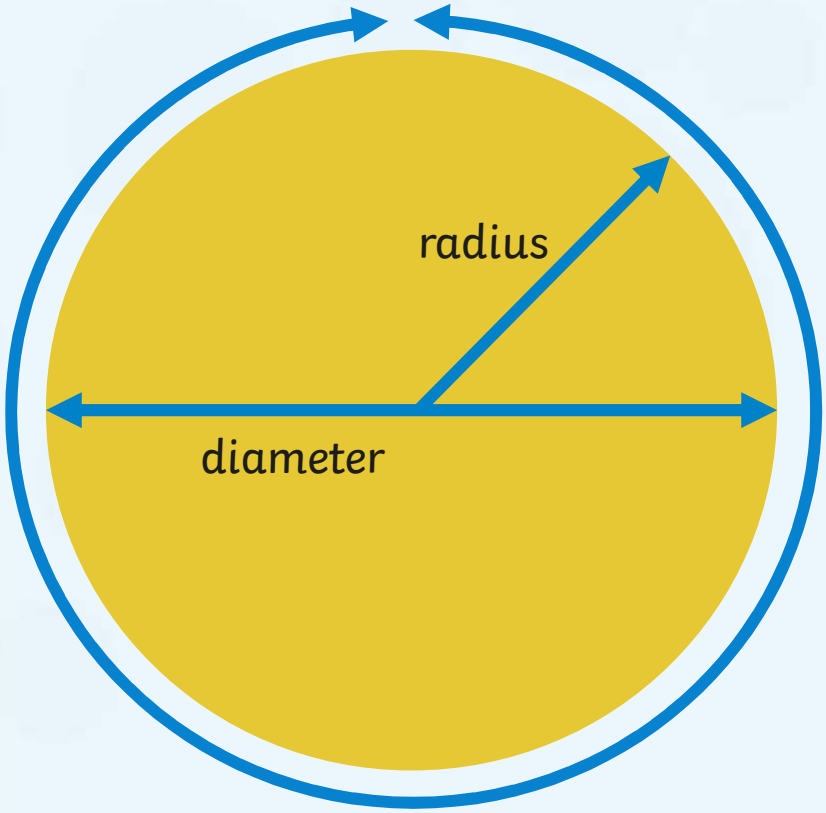
Explain

Using a drawing of a circle, explain the relationship between the circumference, radius and diameter. Use the term π.

The radius is half the diameter or the diameter is twice the radius. The circumference is π × diameter or 2π × radius.





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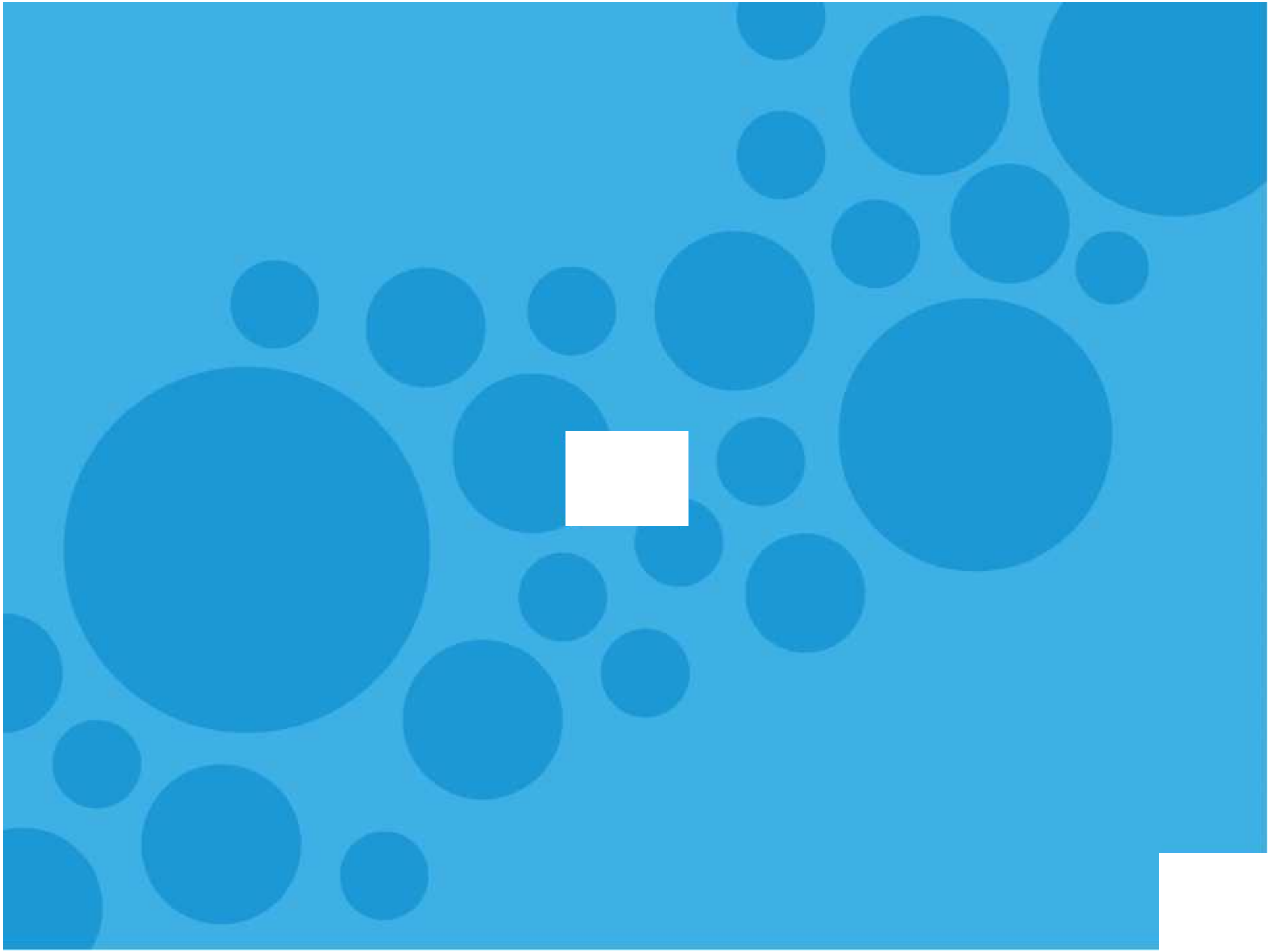
Pi

Here is a possible set of measurements:

Diameter (cm)	Circumference (cm)	Circumference/ Diameter
10	31.2	3.120
11	34.3	3.118
12	37.8	3.150
15	46.7	3.113

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