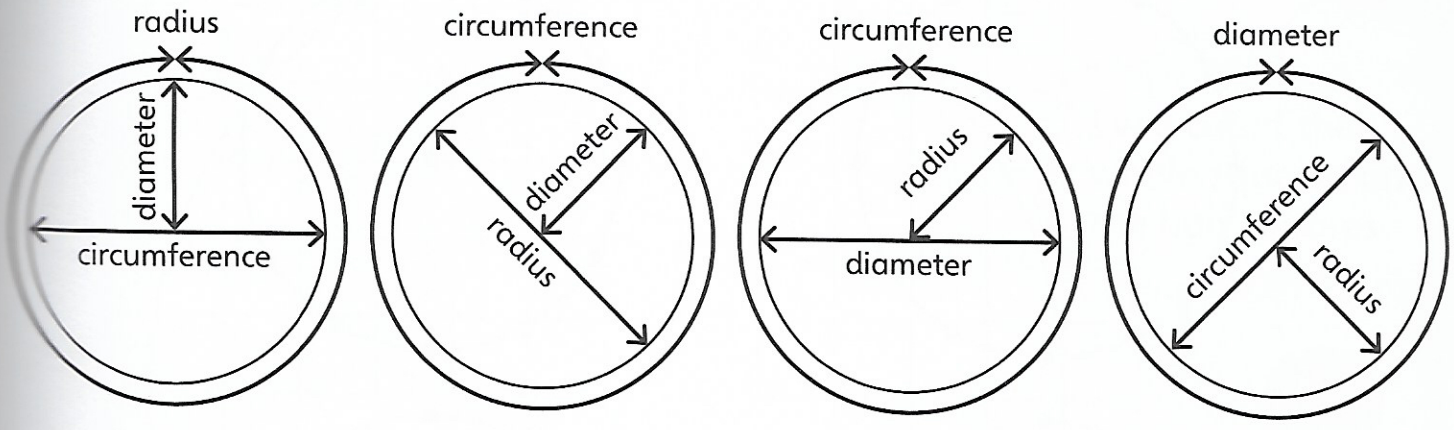
Parts of a circle

1 Tick the diagram that has been labelled correctly.



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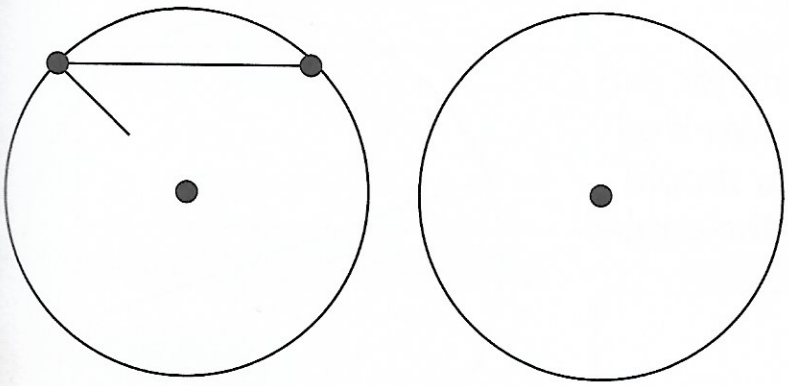
2 **a)** On each circle draw two dots on the circumference. Then join these dots to the centre to form triangles. Measure one angle in each triangle and then calculate the other angles.



b) What types of triangle are formed?

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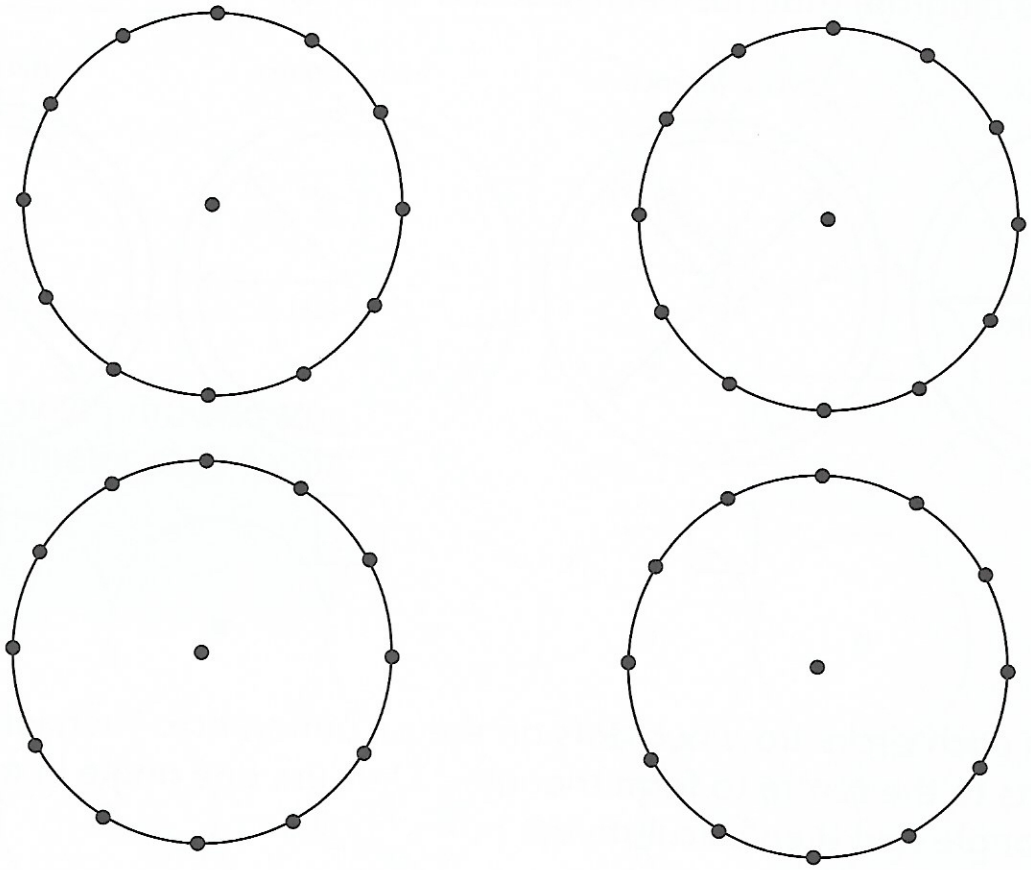
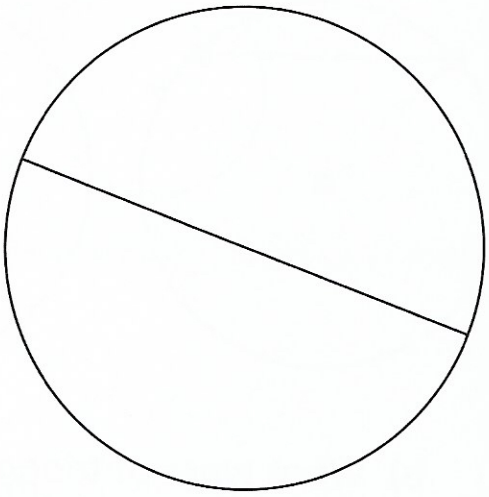
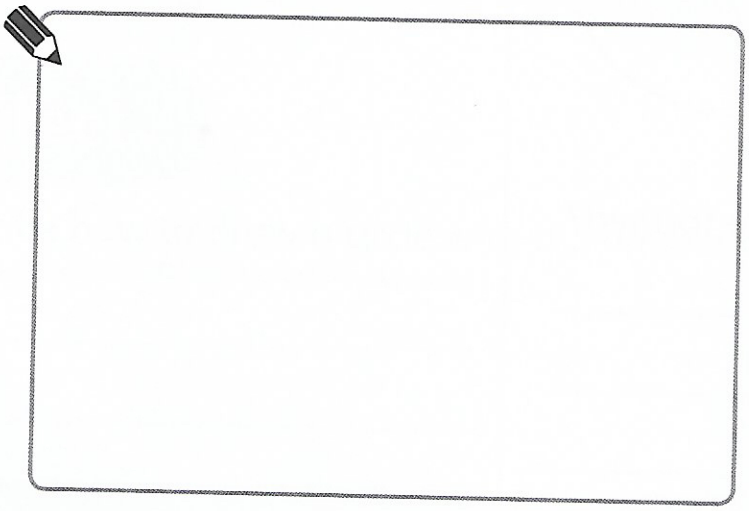
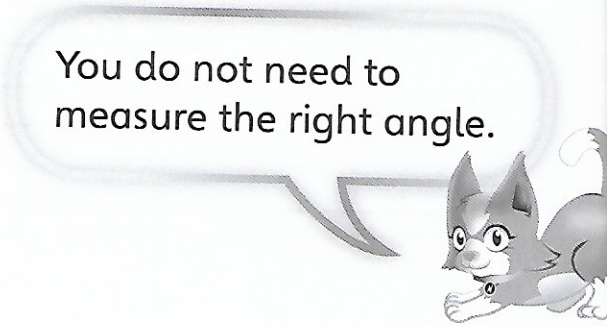
3 Join dots to form different quadrilaterals. Try to form: a parallelogram, an isosceles trapezium, a rhombus and a kite.



4 Form a triangle using the diameter and a point on the circumference. Work out the angles of the triangle. You should only need to measure one of the angles.

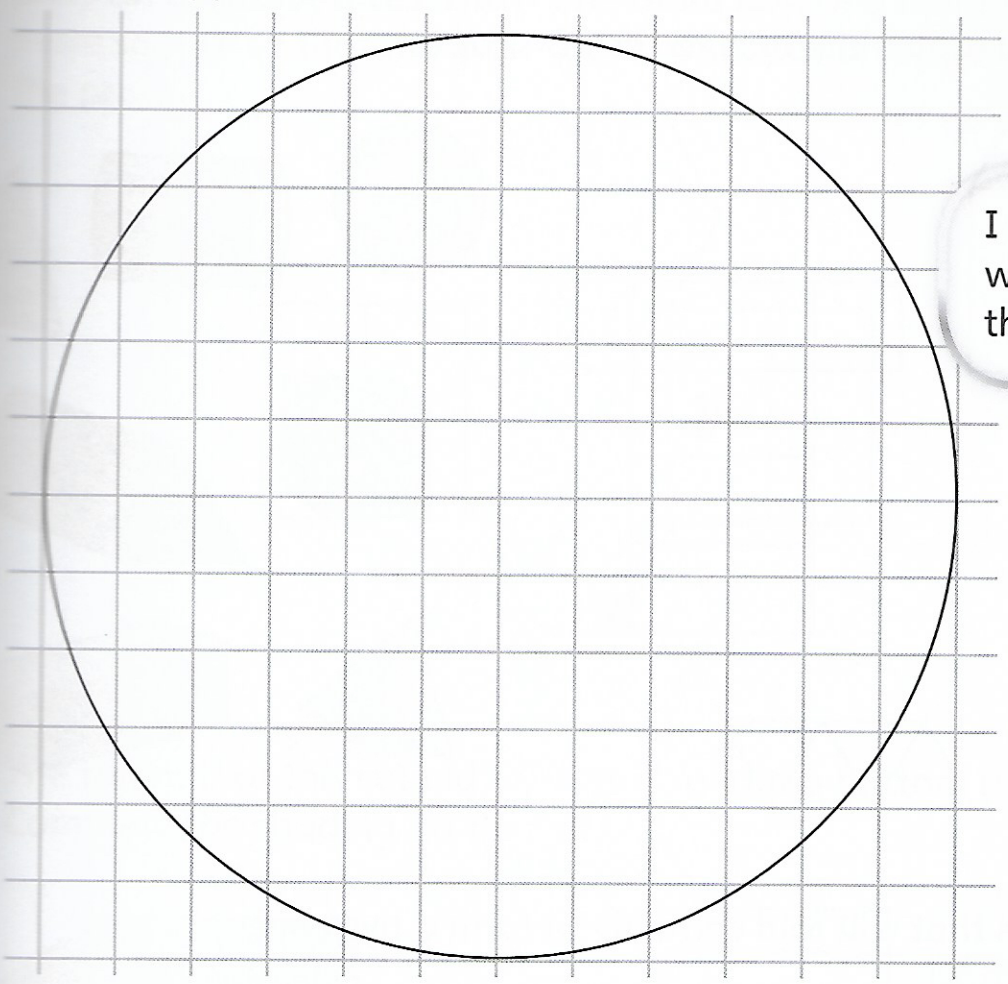






CHALLENGE

5 Find the approximate area of this circle.



I will count the whole squares and the half squares.

Reflect

Describe how to use a circle to draw an isosceles triangle.