

Mathematics

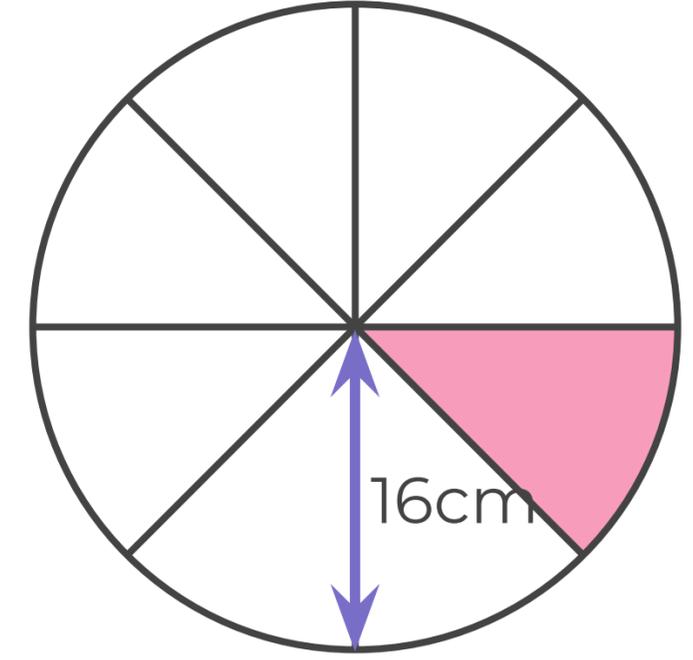
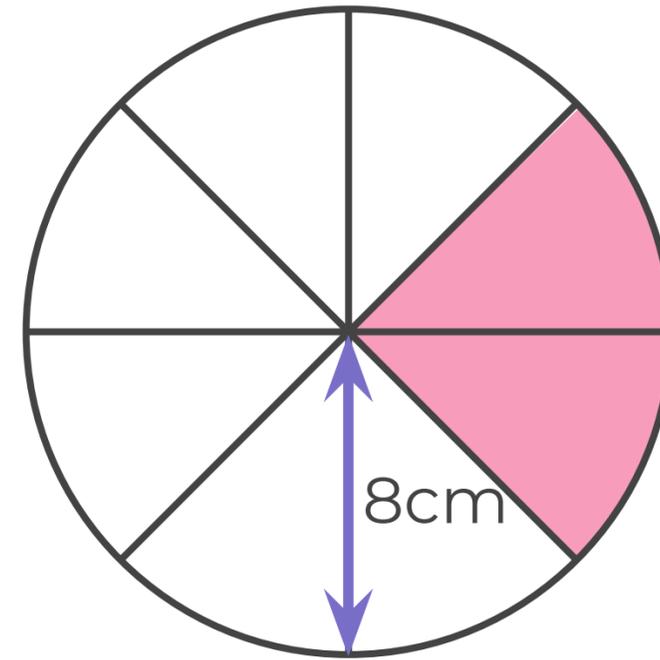
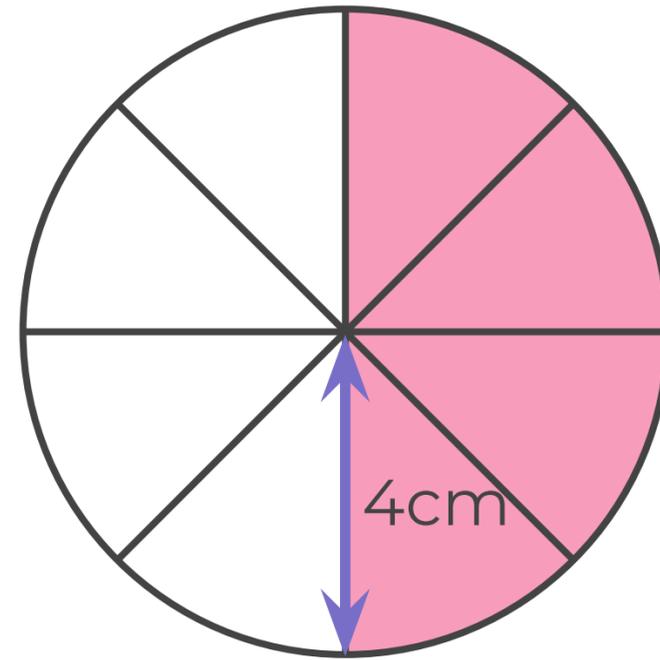
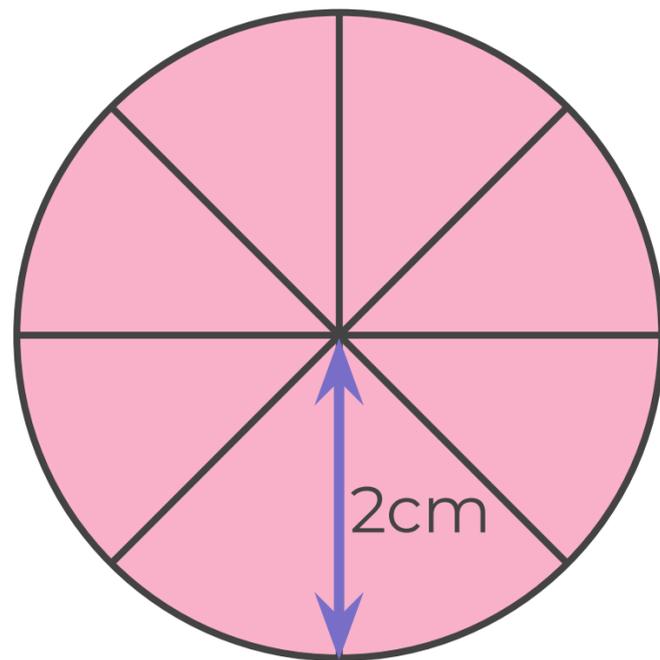
Area of Sectors

Mr Coward



Try this

These circles are all different sizes, and are not drawn to scale.



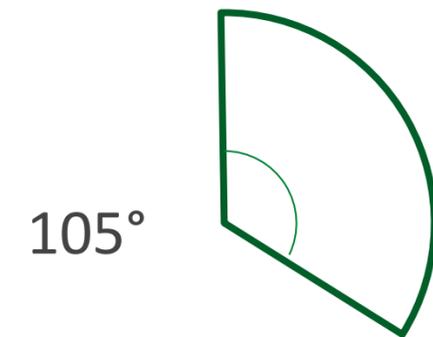
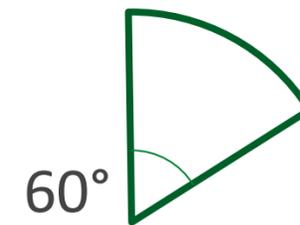
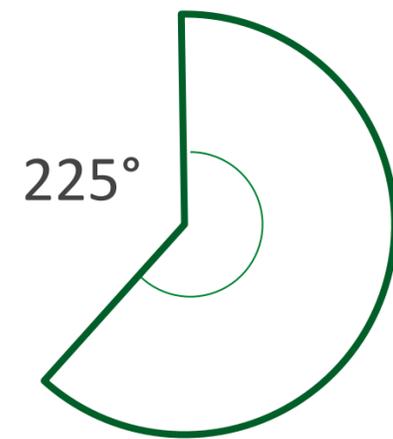
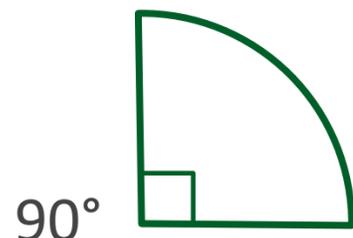
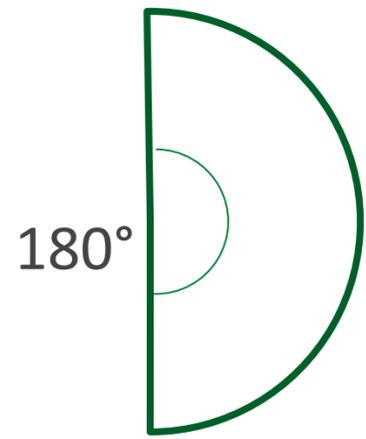
Which circle would have the biggest area shaded?



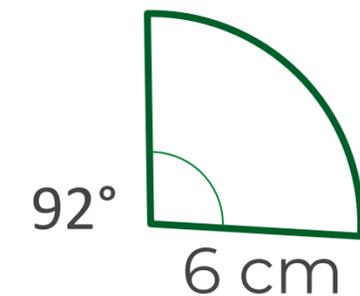
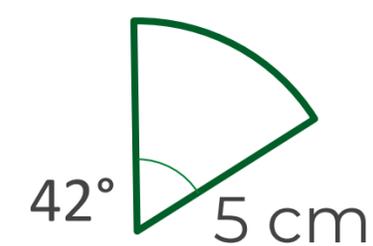
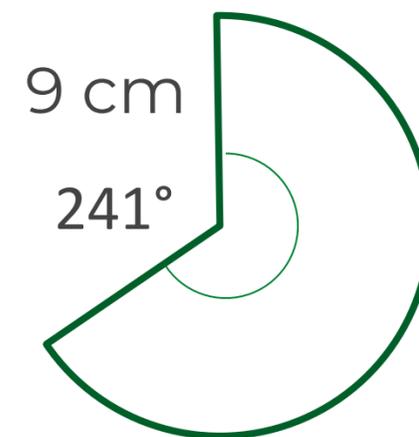
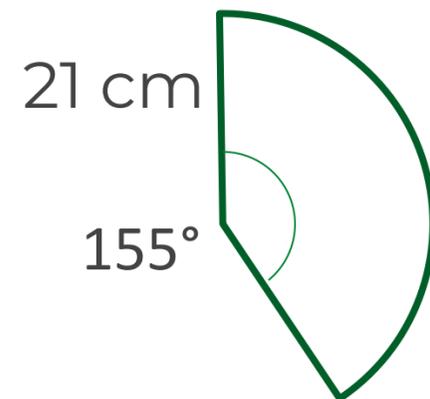
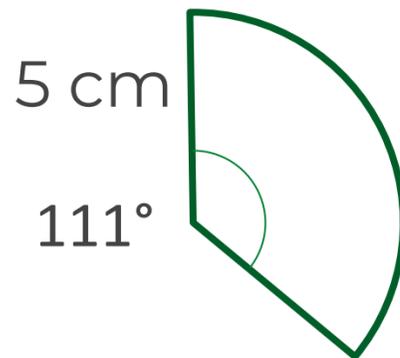
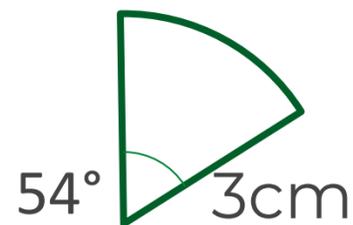
Independent task

1) If the radius of a full circle is 12mm, find the area of the sectors in mm^2 .

Give your answers in terms of π . Try this first without a calculator.



2) Find the area for each of these sectors (Use a calculator and give your answers to 2d.p.).



Explore

This circle has a radius of 6 m.

Find the area of circle.

Find the area of the green sector.

What fraction of the circle is blue, pink, and green?

What are the sizes of the blue, pink, and green angles?

What size would the sectors be the angles were ...

