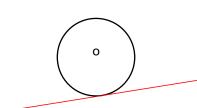
1 Name the red parts of the circles below.







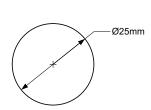


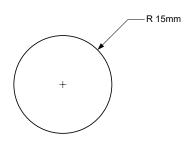


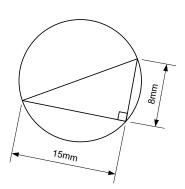




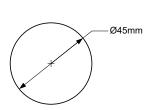
2 Calculate the circumference of the circles below.

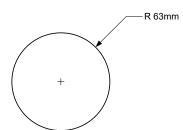


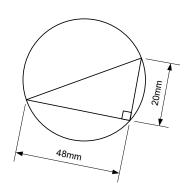




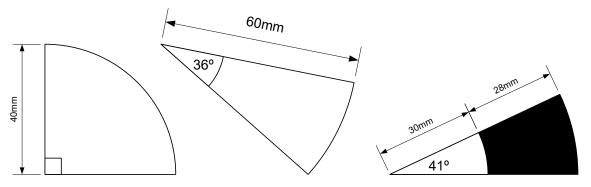
3 Calculate the area of the circles below.





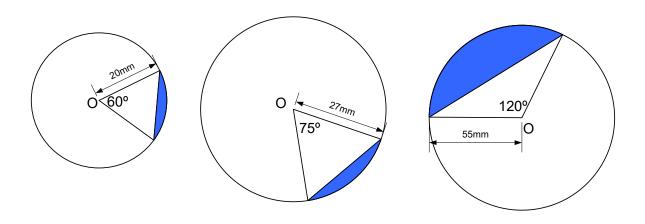


4 Calculate the perimeter and the area of the sectors shown below.



Calculate the area and perimeter of the shaded region.

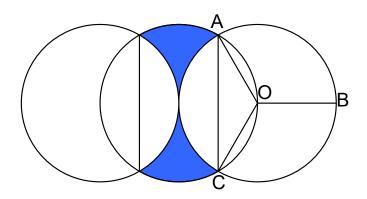
5 Find the area of the segments shown



6 Angles AOB = BOC = COA

All circles have a diameter of 24cm.

Calculate the area of the dark blue part.



Circumference of a circle = $2\pi r = \pi d$

Area of a circle =
$$\pi r^2$$

Area of a sector =
$$\pi r^2 \times \frac{\theta}{360}$$

Area of a triangle =
$$\frac{1}{2}$$
 ab $Sin(C)$

Pythagoras' Theorem states that in a right-angled triangle, the square of the hypotenuse is equal to the sum of the squares of the other two sides.

$$c^2 = a^2 + b^2$$

Circle Theorem: If the angle subtended by a chord is a right angle, then the chord is a diameter.