

Areas of Circles and Sectors

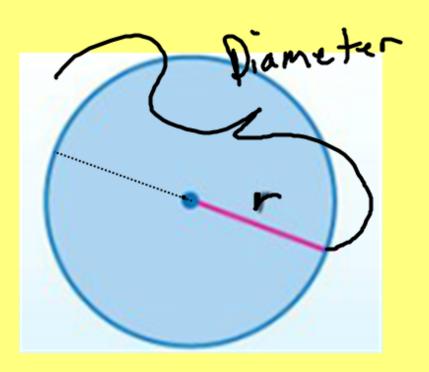


You will find the area of circles and sectors of circles.

You will be able to find the circumference of a circle.

Circumference of a circle

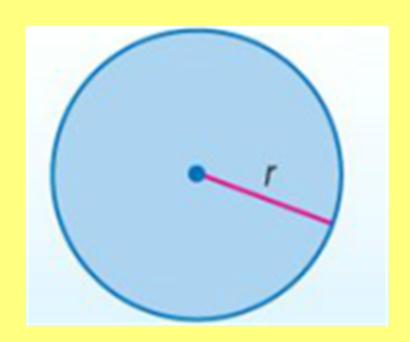
La distance around



Find the circumference of a circle with a diameter of 6.2 cm. Round to the nearest

tenth.

Area of a Circle



An archery target has a radius of 12 inches. What is the area of the target to the nearest square inch?

The area of a circle is 196π square yards.

Find the diameter

Area of a sector

Whole circle

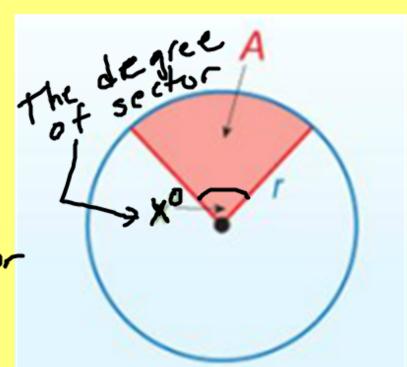
areactor

of circle

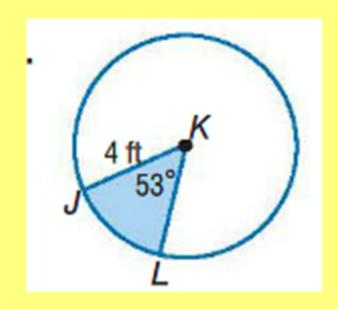
of circle

of sector

Trr2 = 340



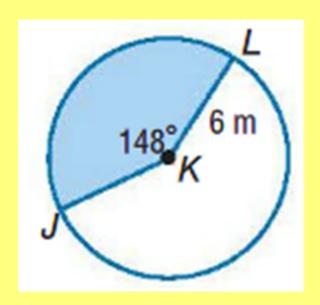
Find the area of each shaded sector



$$\frac{A}{16\pi} = \frac{53}{340}$$

$$A = \frac{(53)}{340} \cdot 161$$

 $A = 7.4 + 2$



$$\frac{A}{34\pi} = \frac{148}{340}$$

PIE A pie has a diameter of 9 inches and is cut into 10 congruent slices. What is the area of one slice to the nearest hundredth?

