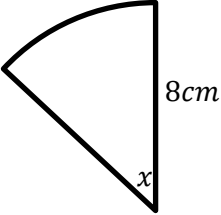
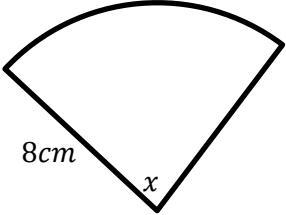
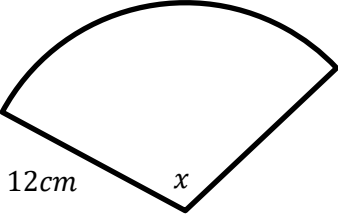
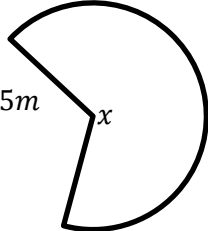
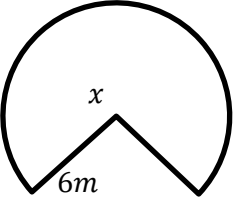
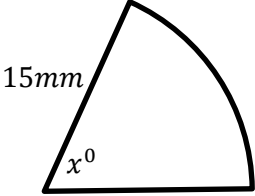
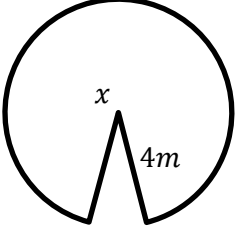
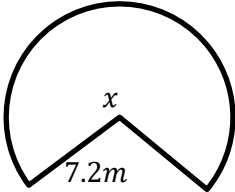
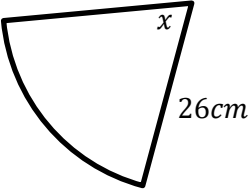
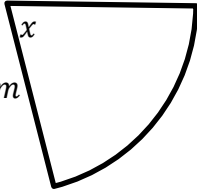
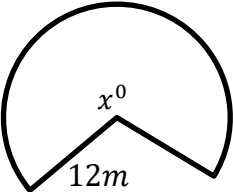
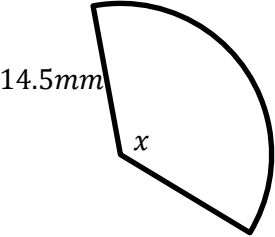
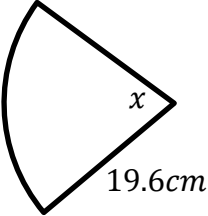
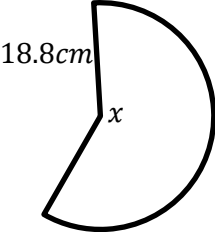
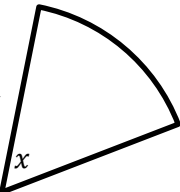
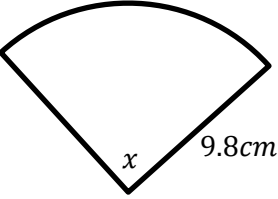
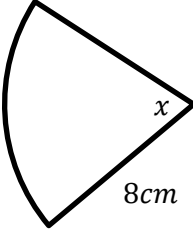
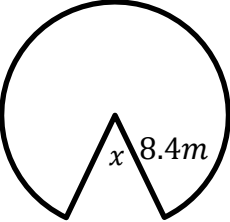
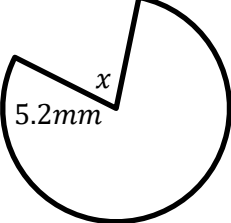
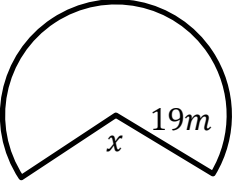


Arcs and Sectors: Finding an Angle

1. For each of the sectors below find the radius or the angle. Give your answer to the nearest whole number.

a. Area = 22.34cm^2 	b. Arc Length = 13.26cm 	c. Area = 201.06cm^2 	d. Arc Length = 18.33m 	e. Arc Length = 27.23m 
f. Area = 117.81mm^2 	g. Area = 47.47m^2 	h. Arc Length = 31.42m 	i. Arc Length = 36.3cm 	j. Area = $22.\text{cm}^2$ 
k. Arc Length = 49.2m 	l. Area = 256.86mm^2 	m. Arc Length = 18.5cm 	n. Area = 632.3cm^2 	o. Arc Length = 16.6m 
p. Arc Length = 16.2cm 	q. Arc Length = 8.4cm 	r. Area = 197m^2 	s. Area = 66.1mm^2 	t. Arc Length = 76.3cm 

Answers

a. 30°

b. 95°

c. 160°

d. 210°

e. 260°

f. 60°

g. 240°

h. 250°

i. 80°

j. 75°

k. 235°

l. 140°

m. 54°

n. 205°

o. 58°

p. 95°

q. 60°

r. 40°

s. 80°

t. 130°