

Mathematics

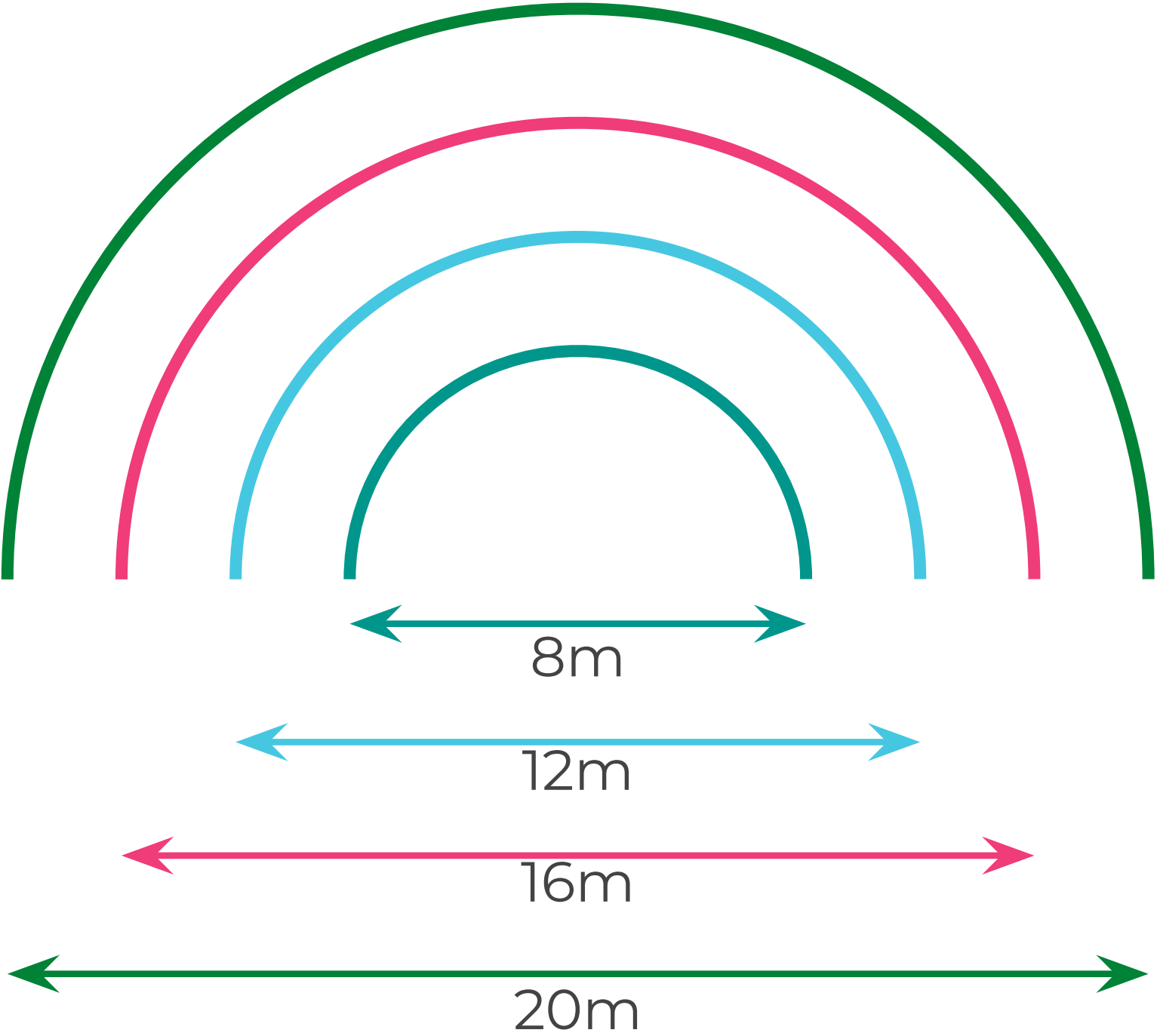
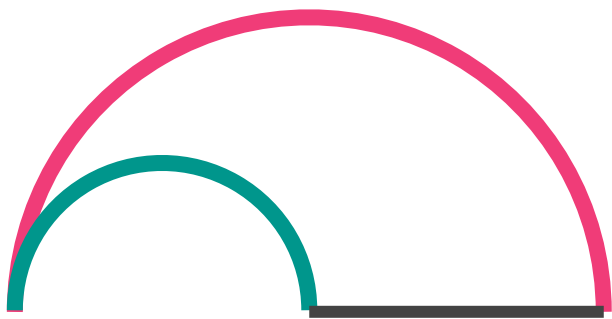
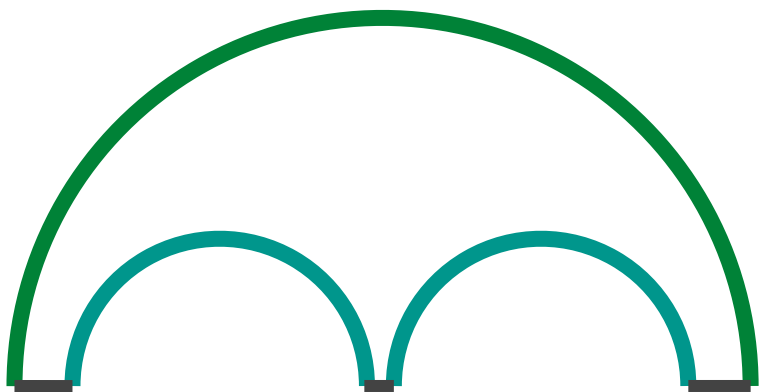
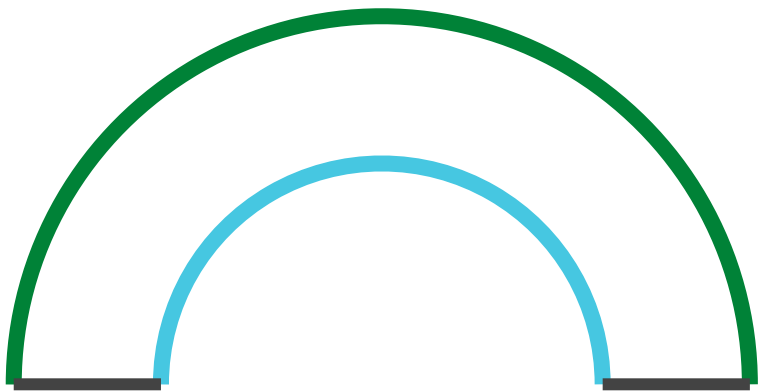
# Compound perimeter

Mr Coward



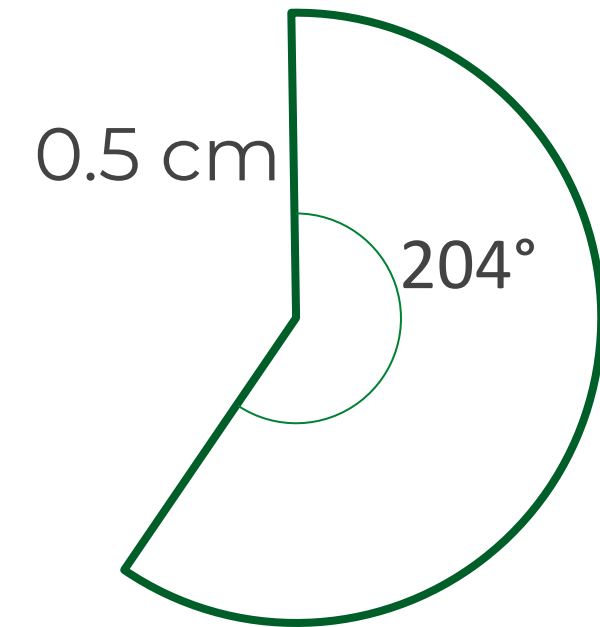
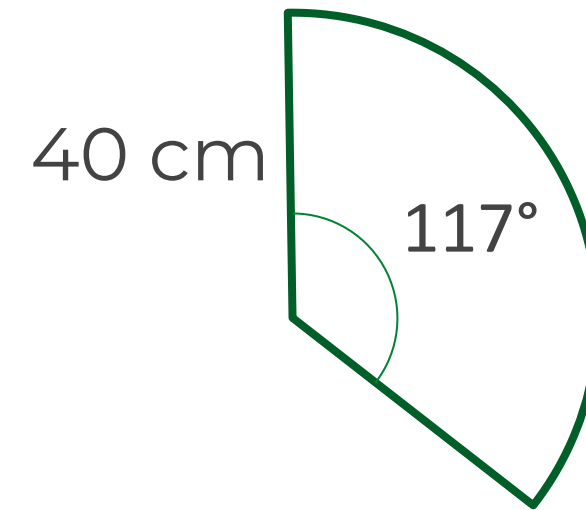
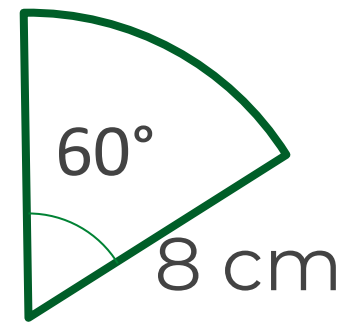
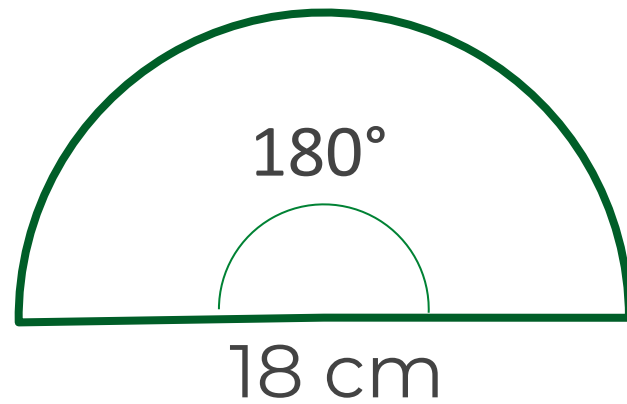
# Try this

Using the sizes shown on the right. Find the perimeter of these shapes



# Independent task

1) Find the perimeter of these sectors

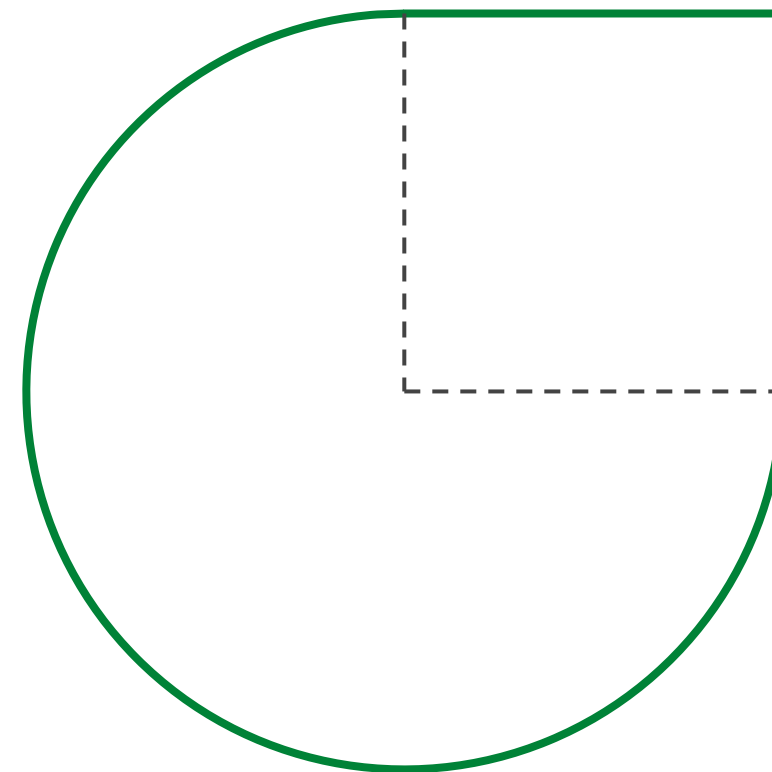
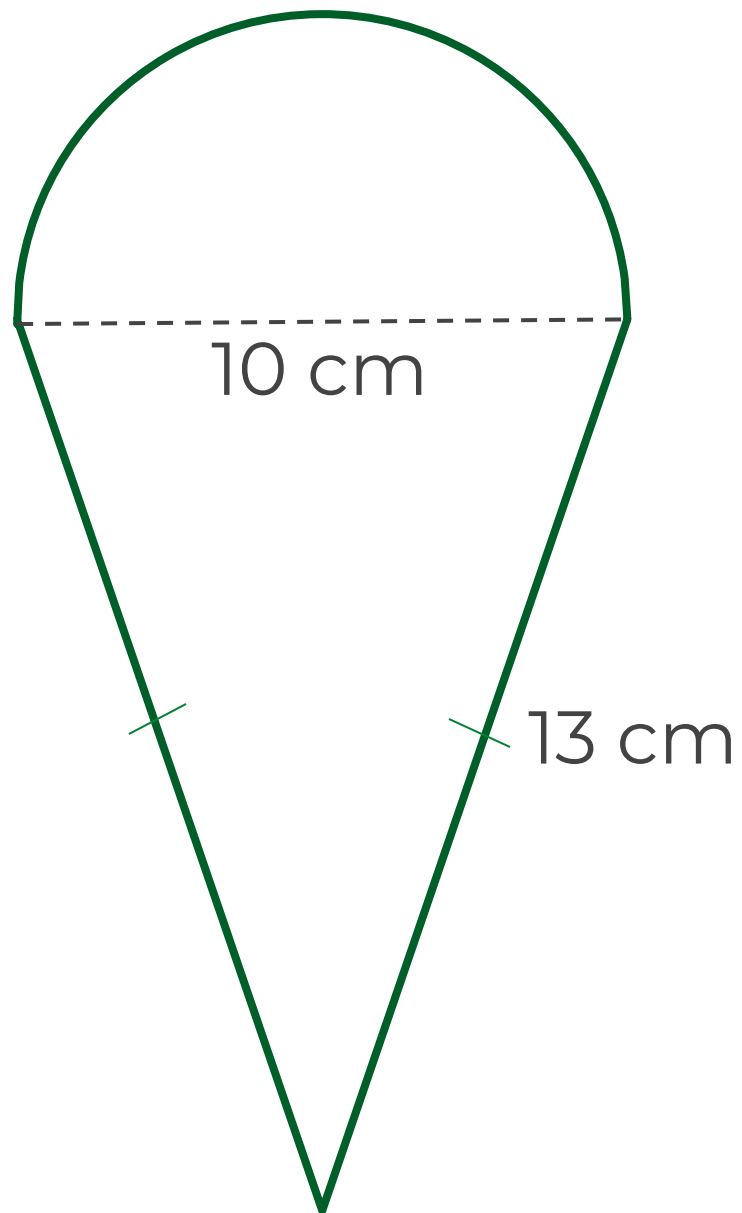


Note: answers are given in exact form and to 2 decimal places.

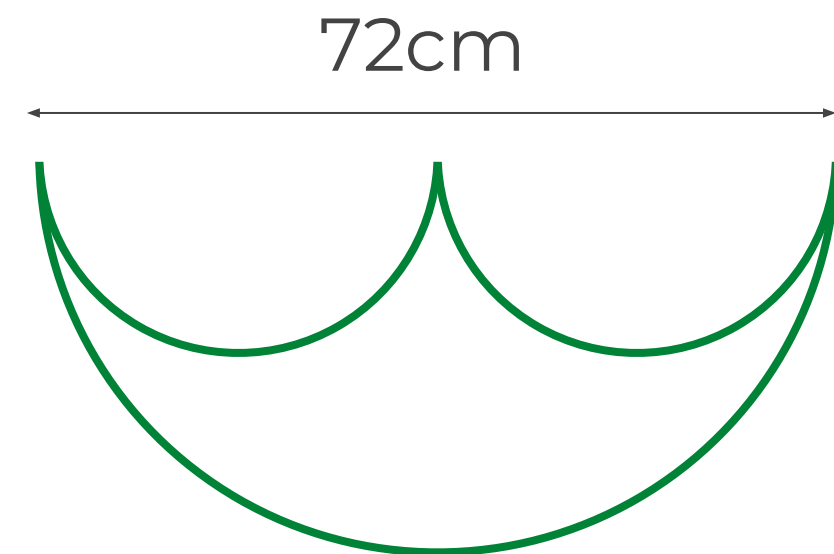
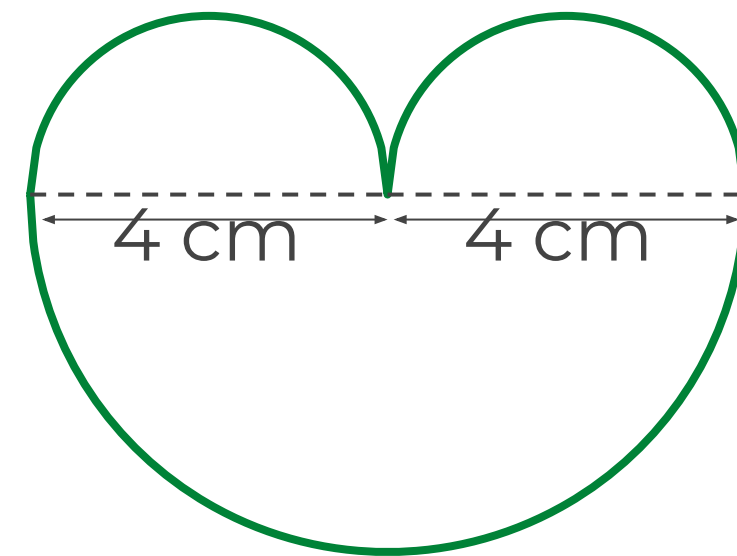


# Independent task

2) Find the perimeter of these compound shapes



Area of square  
 $= 36 \text{ cm}^2$



# Explore

The length of the second hand on this clock is 12 cm

The length of the minute hand is 10 cm

The length of the hour hand is 6 cm

How far does each hand travel in:

a) 1 minute

b) 1 hour

c) 12 hours

After how much time does each hand travel  $6\pi$  cm

