



Question 1



Part of a circumference is called:

- a. an ark
- b. an arc

Question 2

The *diameter* of a circle is 6 cm long.

Therefore, its *radius* is cm long.

Question 3



A triangle is drawn inside a circle so that each vertex of the triangle touches the circumference of the circle.

Which of these shapes could *not* be drawn so that all vertices touch the circumference?

- a. A square
- b. A rectangle
- c. A parallelogram
- d. A regular hexagon

Question 4

The circumference of a circle measuring 21 mm is divided into 4 equal arcs.

If one of the arcs is removed, what is the length of the remaining section?

Give your answer in decimal form.

mm

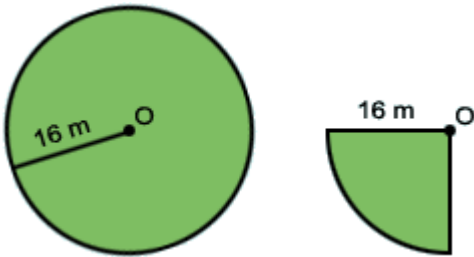
Question 5

The circumference of a circle is its:

- a) perimeter
 - b) radius
 - c) diameter
 - d) area
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Question 6

The circumference of this whole circle is approximately 100 m long.



What is the perimeter of the quadrant?

m

Question 7

A circle has a radius of 30 cm. Which of the following is the exact perimeter of a *quadrant* of this circle?

- a) 30 + 60
 - b) 60 + 60
 - c) 15 + 60
 - d) 15 + 30
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Question 8

The fence around a rectangular field 400 m by 700 m is removed and used to enclose a circular field.

What is the diameter of the circular field?

m (to the nearest metre)
