# Topic: Circumference of Circles

ACCESS MATHS

Calculate the circumference of a circle with dimensions:

### Fluency √

1. Diameter = 12cm

2. Diameter = 5.9cm

3. Diameter = 3.45cm

4. Radius = 3cm

5. Radius = 5.9cm

6. Radius = 6.54cm

### Reasoning

A wheel has a diameter of 1.19m, the wheel makes 25 revolutions. How far has it travelled?

Another wheel has a radius of 45cm, it travels the same distance. What is the difference in their amount of revolutions to the nearest whole number?

### Problem Solving

The radius of the earth is roughly 6,387 km. Suppose you wanted to tie a rope around the earths equator (assumed to be level ground). How long would the rope have to be?

Now assume you want the rope to be 1m above the surface of the earth. How much longer would the new rope need to be?

ACTION

RESPONSE

**Fluency** √

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