The clock on the Houses of Parliament is a circle with a diameter of 23 feet.

Using C = πd we can find the circumference of this clock.

C = πd

C = π × 23

C = 72.25663…

So the circumference of the clock is 72.3 feet to 1 decimal place

You are going to search for information about objects or famous landmarks involving circles. You are then going to create a poster with pictures of your objects / landmarks, and calculations showing how the diameter and circumference are connected.

For each circle, one of three things might happen:

1. You find out its diameter: In this case you need to find the circumference using C = πd.
2. You find out both its diameter and circumference: In this case you need to show that C = πd.
3. You find out its circumference: In this case you need to work backwards and find the diameter. Think carefully about this!

**Key questions:**

Is it possible for the circumference of a circle to be less than the diameter? Why?

What do you do if you are aiming to find out the circumference of a circle and you only know the radius?

Can you create a formula connecting the radius and the circumference?