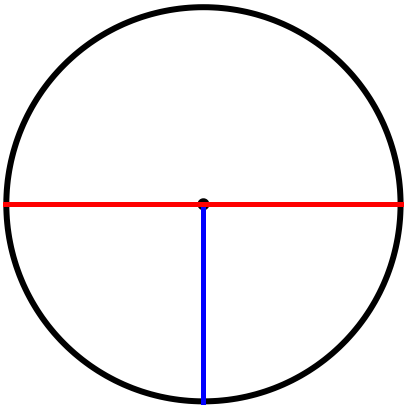
Circle Parts and Circumference

Name: _____ Date: _____

Part A: Identifying Circle Parts

Label the following parts of the circle below:



1. The centre (black dot): _____
2. The blue line from centre to edge: _____
3. The red line across the whole circle: _____
4. The distance around the circle: _____

Part B: Circumference Formula

Circumference = π × diameter

$C = \pi d$ or $C = 2\pi r$

(Use π = 3.14 unless otherwise stated)

Part C: Calculate the Circumference

Show your working. Round answers to 1 decimal place.

5. A circle has a diameter of 10 cm. Find the circumference.

Working: _____

Circumference = _____ cm

6. A circle has a diameter of 15 m. Find the circumference.

Working: _____

Circumference = _____ m

7. A circle has a radius of 7 cm. Find the circumference.

Working: _____

Circumference = _____ cm

8. A circle has a radius of 12 m. Find the circumference.

Working: _____

Circumference = _____ m

9. A bicycle wheel has a diameter of 65 cm. How far does the bicycle travel in one complete rotation of the wheel?

Working: _____

Distance = _____ cm

10. A circular garden has a radius of 4.5 m. What length of edging is needed to go around the entire garden?

Working: _____

Length of edging = _____ m