Finding the Length of a Circle

A. Choose the correct answer:	
1. The length around a circle is called the:	
a) Diameter	b) Circumference
c) Radius	d) Chord
2. If the radius of a circle is 4 cm, its diameter is:	
a) 2 cm	b) 8 cm
c) 12 cm	d) 16 cm
3. What instrument can you use to measure the length around a circle?	
a) Ruler	b) Scale
c) Measuring tape or thread	d) Compass
4. If you walk around a circular garden exactly once, you cover the:	
a) Radius	b) Circumference
c) Diameter	d) Centre
5. The circumference is about how many times longer than the diameter of a circle?	
a) 1 time	b) 2 times
c) 3 times	d) 4 times
B. Write the Missing Terms to Complete the Sentences:	
1. The distance around a circle is called its	
2. A line joining two points passing through the center of the circle is the	
3. The radius is exactly of t	he diameter.
4. To measure the length of a circle, we can use a	
5. The is a curved line around the circle.	
C. Mark each sentence with a True (🖌) or False (X):	
1. The circumference is shorter than the diameter of a circle.	
2. A circle with a larger diameter has a larger circumference.	

- 3. A radius is longer than the circumference of the circle.
- 4. The length around a circle changes if the circle is bigger.
- 5. Every circle has only one circumference.

D. Figure out the answers to these questions:

- 1. Measure the length around a circular plate using thread and a scale.
- 2. Draw a circle with a radius of 5 cm. Measure and write its diameter.
- 3. Explain in your words how you can find the length around a circle.
- 4. If the diameter of a wheel is 14 cm, what is its radius?
- 5. Can you measure the circumference of a circle using a ruler? Why or why not?

E. Challenge yourself with these questions:

- 1. Name two objects from your daily life whose circumference you can measure easily.
- 2. How would you explain what circumference means to your friend?
- 3. A circle has a diameter of 6 cm. Write down its radius.
- 4. Describe how you can measure the circumference of your bicycle tire.
- 5. If you have a circle cut out from paper, how could you measure its length around using only a piece of thread and scale?