

Circles Print Activity

Use the Video Interactive to answer the following questions:

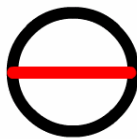
1. Using the slider, set the diameter as small as it can go.
Click roll.
Drag the diameter onto the rolled out circumference.

What do you notice?

2. Using the slider, set the diameter as large as it can go.
Click roll
Drag the diameter onto the rolled out circumference.

What do you notice?

3. For the given circle below, choose the best approximation of the rolled out circumference.

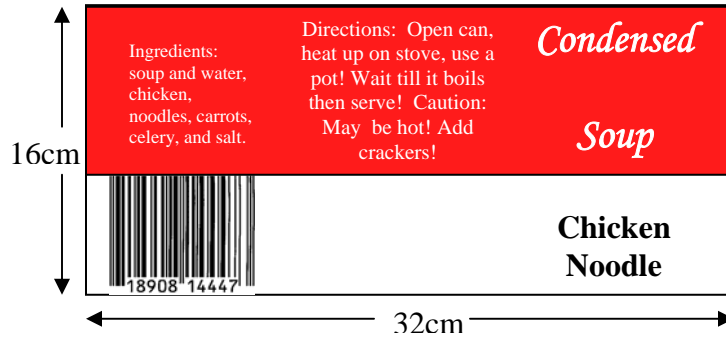


- a) _____
- b) _____
- c) _____
- d) _____

4. Draw a circle (including its diameter) that has the following rolled out circumference.

5. If a circle has a diameter of 10cm, what is your approximation of the circle's circumference? Explain why.
6. If a car's wheel has a diameter of 80cm, how far will the car move in one rotation of the tire? Explain why.
7. If a circle has a circumference of 100mm, what is your approximation of the circle's diameter?

8. A soup can's **label** has dimensions of 16cm by 32cm.



What is the approximate diameter, and the approximate circumference of the can that the label will fit on?

Diameter = _____



Circumference = _____