

Grade 7 – SS1 #1

(Show your work and transfer answers to grey strip at right.)

1) Without a calculator: solve the following problem. What is the circumference of a circle that has a diameter of 10cm?

- A 15.70cm
- B 78.50cm
- C 31.4cm
- D 13.14cm

2) Without a calculator: solve the following problem. What is the circumference of a circle that has a diameter of 7cm?

- A 153.86cm
- B 21.95cm
- C 43.96cm
- D 12.14cm

3) With a calculator: solve the following problem. What is the radius of a circle that has a circumference of 40cm?

- A 6.37cm
- B 12.74cm
- C 125.6cm
- D 3.58cm

4) With a calculator: solve the following problem. Jonathan is installing trim along the outside wall of a room. The room is circular and measures 12 feet across (from one side to the other). How much trim will Jonathan need?

- A 18.84ft
- B 3.82ft
- C 75.36ft
- D 37.68ft

ANSWERS

1. A
B
C
D

2. A
B
C
D

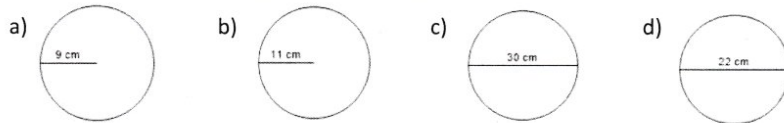
3. A
B
C
D

4. A
B
C
D

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In support of Question 1 on multiple choice mini quiz.

- 1) What is the formula for finding the circumference of a circle?
- 2) Calculate the circumference of the circles below.

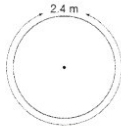


- 3) Calculate the diameter and radius of the circles below.

a.



b.



- 4) Helga is making a circular flower garden. She found some edging on sale at the local hardware store and picked up 30m. What is the largest possible diameter for Helga's circular flower garden?
- 5) Can you draw a circle that has the circumference of 28cm? Using a ruler can you explain how you know that it is correct?
- 6) Jim is painting the yellow lines on the highway. To do this he has a giant wheel that marks yellow paint every time it rolls one complete revolution. If the paint wheel has a diameter of 63.69cm, how many marks are put on the highway for each km?