

Math 7 Period _____
7.3.1 Homework Set

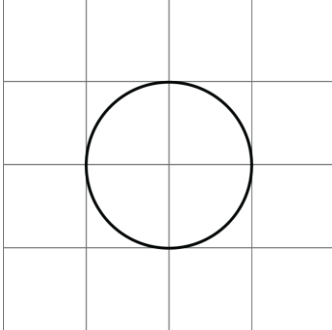
Name _____
Date _____

1. A kids' movie ticket costs \$5.25.
 - A. One day, 200 kids' tickets were purchased. What was the total cost of those tickets?
 - B. If t is the number of kids' tickets purchased, and c is the total cost of those tickets, write an equation that relates c to t .
 - C. Another day, the total cost of kids' tickets was \$813.75. How many tickets were purchased that day?

2. The sides of a square have length s .
 - A. Write a formula for the perimeter P of the square.
 - B. Write a formula for the area A of the square.

3. Priya measured the perimeter of a square desk and found 248 cm. Noah measured the perimeter of the same desk and found 2468 mm.
 - A. By how many millimeters do these measurements differ? _____
 - B. Why do you think Priya and Noah may have found different measurements for the same desk?

4. Here is a picture of a circle. Each square represents 1 square unit.



A. Explain why the area of the circle is less than 4 square units.

B. Explain why the area of the circle is more than 2 square units.

C. Do you think the area of the circle is more or less than 3 square units?
Explain.