

Math 7H - Unit 5

Day 10 - Area of Circles

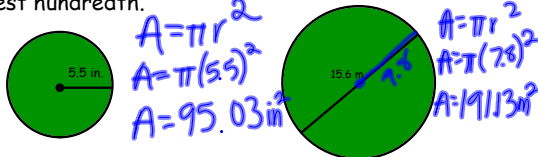
Lesson Objectives:

- I know the formula for the area of a circle.
- I can use the formula for the area of a circle to solve problems.
- I understand the relationships between the circumference and area of a circle.

The ratio of the circumference of a circle to its diameter is the irrational number called π (pi). We often use 3.14 or $22/7$ as approximations.

If a circle has a radius of r units, then the formula to find the area is $A = \pi r^2$ square units.

Find the area of each circle. Round each answer to the nearest hundredth.



DO NOT USE THE FORMULA!!!

- #2a Estimate the square centimeter area by COUNTING.



- #2b Average the areas within the two squares.



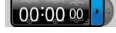
- #2c Estimate the area within the octagon.



- #2d Estimate the area with an (almost) parallelogram.



Answer the rest of the questions on the worksheet.

Homework

Area of Circles WKS

* Individual Think Time *

What to do if you get stuck...

1. Reread the problem. Did you write it down correctly?
2. Reread your notes. Is there a problem similar that we did together in class?
3. Find a problem similar in your book. Try this one to see if it helps.
4. Skip the problem until the end of Individual Think Time. Then ask an "educated" question of a neighbor or Mrs. Call.

Today we're working by...

