## Love of Learning Educational Services

Bringing Curiosity, Relevance, and Enjoyment to the Math Classroom

# Circle Notes

### Circumference and Area of Circles

Guided note taking pages for calculating circumference and area of circles.



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#### **Circle Notes**



#### **Calculating Circumference**

If we know the *radius* or the *diameter* of a circle, we can find the *Circumference*.



#### Sample Problems:



- 3. Multiply to get the answer.
- 4. Label the answer with the correct measurement.

Step 2: C = 3.14(5) Step 3: C = 15.7 in

This answer makes sense because 3 x 5 = 15.  $\pi$  is just a little more than 3, so a little bit more than 15 makes sense.



This answer makes sense because:



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#### **Calculating Area of a Circle**





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Mrs. Davis wants to paint the top of a circular table that has a diameter of 3 feet. How many square feet will be painted?

Think about it:	Draw a picture:
	3 ft
What key words indicate that this is an area problem?	
Which is given, the radius or the diameter?	Work it out:
So, what is the radius?	Step 1:
This answer makes sense because:	Step 4:
Mr. Magoo wants to put a circular rug in his office. His 8 foot long rectangular desk will sit directly across the center of the rug from one side to the other. How big is the rug that Mr. Magoo wants to purchase?	
Think about it:	Draw a picture:
What key words indicate that this is an area problem?	
Which is given, the radius or the diameter?	Work it out:
So, what is the radius?	Step 1:
This answer makes sense because:	Step 3: