

EVERYWHERE Common Core Standard:

IRCLES, CIRCLES

7th Grade

<u>CCSS.Math.Content.7.G.B.4</u> Know the formulas for the area and circumference of a circle and use them to solve problems; give an informal derivation of the relationship between the circumference and area of a circle.



circles, circles

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The distance across a circle through its center.

The distance from the center of a circle to a point on the circle.







A tool used to draw circles and arcs.









• • • • • • • • • • • • • • • • • • •	• • • • • •
· (COMPASS	•
• Practice	•
• Name:	•
• Practice using a compass on the front and back of this pape	r. •
• Begin by drawing a circle with a 1 inch radius.	•
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TC	Name: 3.14
Because pi is the diam The d	the same for every circle, we can use it to determineter if we know the circumference, or vice versa.
Since we knc	$C = 3.14 \times 2$ w the diameter is 2 inches, we can multiply 2 inches by pi (3.14) and get the circumference.
The diameter	C = 6.28 Therefore, the circumference of the circle is 6.28 inches. Now you try
2.The diameter	of a circle is 12 cm. What is the circle's circumference?
3.The diameter	of a circle is 9 inches.What is the circle's circumference?





		More I	Practice		
I.The radio	us of a circle is	14 inches.What	is the area of the	circle?	
2.The radi	us of a circle is	21 inches.What	is the area of the	circle?	
3.The radi	us of a circle is	6 cm.What is th	e area of the circ	le?	
4.The radi	us of a circle is	18 mm.What is [.]	the area of the ci	rcle?	
5.The radi	us of a circle is	16 cm.What is t	the area of the ci	rcle?	circumference diameter

	Paper Plate Activity Materials: large paper plate, a ruler, and crayons.
	I. Use the ruler to draw and label the diameter and radius.
	2. Using the ruler measure the diameter and radius.
	3. Next, find the circumference and area of the paper plate
4. Cut	out the worksheet below and write the measurements of the plate Glue it to the back of your plate.
	4. Finally, decorate it!
••••	Deper Dlate Activity
	Paper Plate Activity Name:
l. What	Paper Plate Activity Name: is the radius of your paper plate?
1. What 2. What	Paper Plate Activity Name: is the radius of your paper plate? t is the diameter?
1. What 2. What 3. What	Paper Plate Activity Name: is the radius of your paper plate? t is the diameter? t is the circumference?









Circles, Circles

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I hope you enjoy this product!

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