CONCEPTS OF ANGLES



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CONCEPTS OF ••••••ANGLES•••••••

4th grade



- I. Anchor Charts (2 pages)
- 2. Practice Worksheets (8 pages)
- 3. Word Problems (2 pages)
- 4. Games and Activities (6 pages)
- 5. Test Review (3 pages)
- 6. Test (3 pages)



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A **circle** is equal to **360 degrees**. An **angle** is a **fraction** of a circle. An angle measures the **arc** between two **rays** that share a **common endpoint** at the center of the circle.



Each individual turn forms an arc between the two rays. So, if an angle turns through 180, one-degree angles, the measurement of that angle is 180 degrees.





The exterior (outside) angle and the interior (inside) angle will always equal 360 degrees when added together.









ANGLES AS FRACTIONS of a circle

Directions: Write the fractions as angles, in degrees.





ANGLES AS FRACTIONS of a circle

NAME:

Directions: When a circle is divided into equal pieces, each piece has the same angle. If you take 360° and divide it by the number of pieces, you will find the measurement of each angle. Use this strategy to find the measurement of each angle on the circles below.



DATF:	
	_

Ogulio Bochoso

NAME:

ANGELO'S ANGLES

Directions: Angelo opened a new pizzeria, and he is hosting a pizza-eating competition! To help Angelo determine the winner, find the degrees of pizza eaten by each competitor. *Circle the winner*:



DATE:	

CONCEPTS OF ANGLES

Directions: Solve the word problems below. Use the circle to sketch the angles described in each problem.

NAME:

Tiana is slicing a fresh, homemade apple pie to share with her three friends. She wants the pie to be split fairly, so she cuts the pie into 4 equal slices. In degrees, what would be the angle of one slice of pie?

Samara is riding on a merry-go-round at the carnival. The merry-go-round makes it halfway around before it breaks down and stops. How many one-degree angles did the merry- (go-round turn before it stopped?

Ogula Bothes

Answer: _____

Answer:

DATE:

ANSWER RECORDING SHEET

card matching game

Question Number	Fraction	Angle
	* * *	
2		
3		
Ч		
5		
6		
7		
8		
q		
Ю		
		©Jule Bochese

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