

School-Home Letter



Dear Family,

Throughout the next few weeks, our math class will be learning about angles and angle measures. We will also learn to use a protractor to measure and draw angles.

You can expect to see homework in which students find and compute angle measures.

Here is a sample of how your child will be taught to relate degrees to fractional parts of a circle.

Model Find Angle Measures

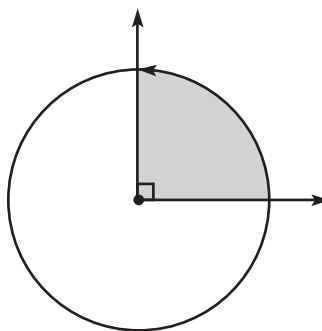
Find the measure of a right angle.

Step 1

A right angle turns $\frac{1}{4}$ through a circle.
Write $\frac{1}{4}$ as an equivalent fraction with 360 in the denominator: $\frac{1}{4} = \frac{90}{360}$.

Step 2

A $\frac{1}{360}$ turn measures 1° . So, a $\frac{90}{360}$ turn measures 90° .



Vocabulary

acute angle An angle that measures greater than 0° and less than 90°

degree ($^\circ$) A unit for measuring angles

obtuse angle An angle that measures greater than 90° and less than 180°

protractor A tool for measuring the size of an angle

reflex angle An angle that measures greater than 180° and less than 360°

straight angle An angle whose measure is 180°

The Multilingual Glossary is available online.

TIPS

Classifying Angles

An *acute* angle measures *less than* 90° . An *obtuse* angle measures *more than* 90° and *less than* 180° . A *straight* angle measures 180° .

Activity

Help your child measure angles in pictures of buildings and bridges and decide whether certain angle measures are more common. Then have your child draw a unique building or bridge design and label each angle measure.