

angles

The Philomath Club

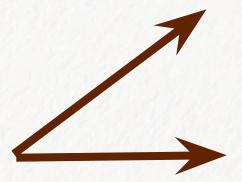




What are angles?



The space between two lines







Types of Cingles



Right

Obtuse

acute



1

2

3

4

5











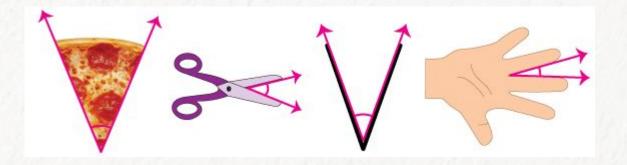




Angles in Real Life











Game!













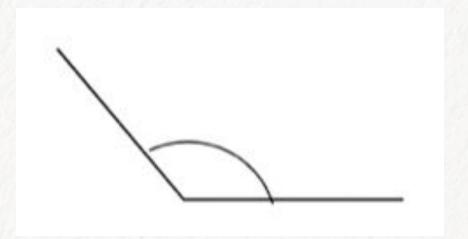








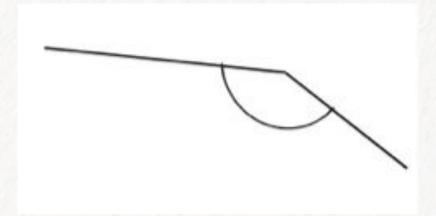








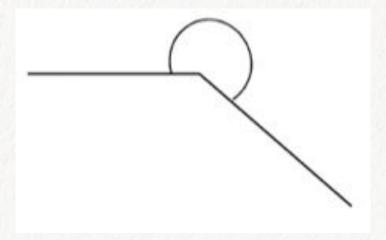










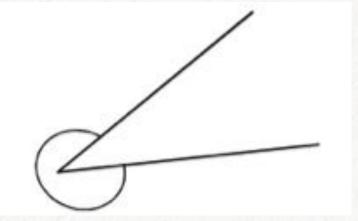
















How many degrees is a straight line?



Ans: 180





How many degrees in a full rotation?





Ans: 360







Triangles

What are the angle measures of triangles?







Orawing time!





- -Draw a triangle
- -Then turn it into something else
 - -a Christmas tree?
 - -a slice of pizza?





Triangle angles add to 180 degrees ø



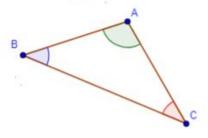
If a triangle has two angles of measure 60 and 10 degrees, what is the measure of the last angle?







Sum of Angles in a Triangle



$$\angle A + \angle B + \angle C = 180^{\circ}$$

The sum of the angles in a triangle is always 180°





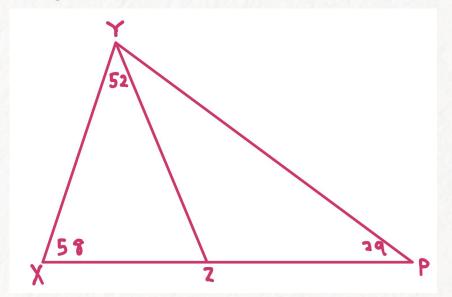


One angle in the triangle is twice another angle, and the third angle is 54. What is the measure of the smallest angle in the triangle?





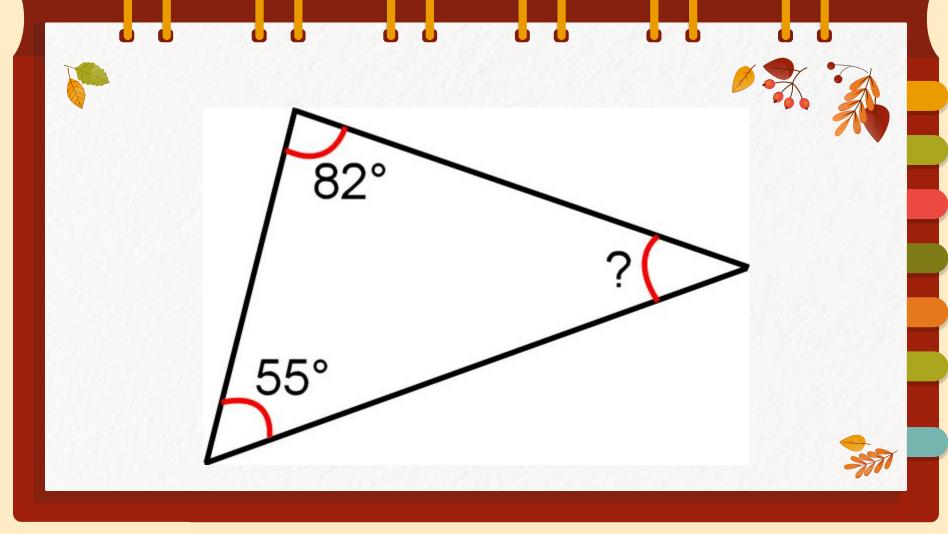
Find angle ZYP



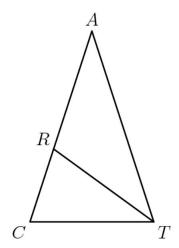












(A) 36°

(B) 54°

(C) 72°

(D) 90°

(E) 108°

9

3

4

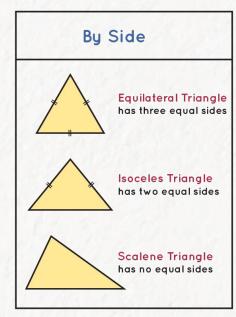
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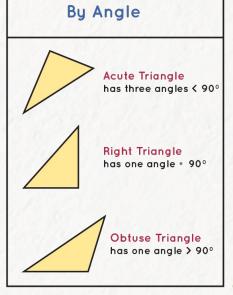
Types of Triangles

Classification of Triangles













area of a triangle



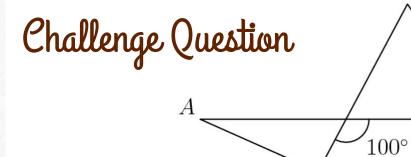






The degree measure of angle \boldsymbol{A} is





 110°

