

Warmup

1 The order -4, 3, 0 from least to greatest:

_____, _____, _____

2 Write the values:

A: _____ B: _____ C: _____ D: _____

3 No work needed on paper.

4 No work needed on paper.

5 Write the correct symbol:

_____ equal

_____ less than

_____ greater than

6 $288 \div 2 - 4(48 \div 4) + 9$

I. Introduction to Geometry

point:

A

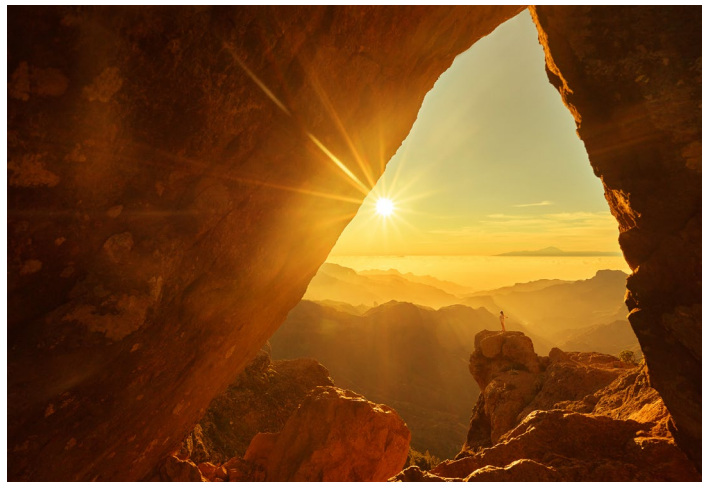

line:



ray:

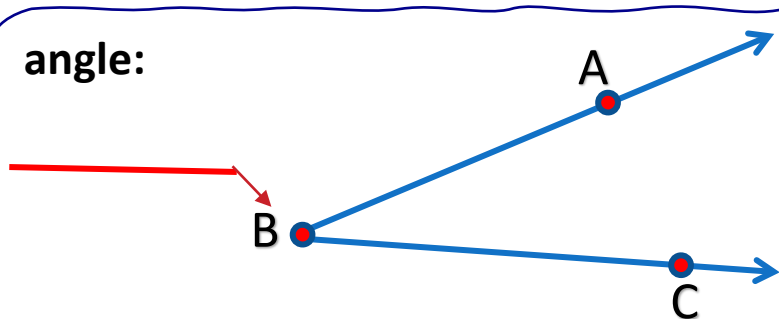


line segment or segment:

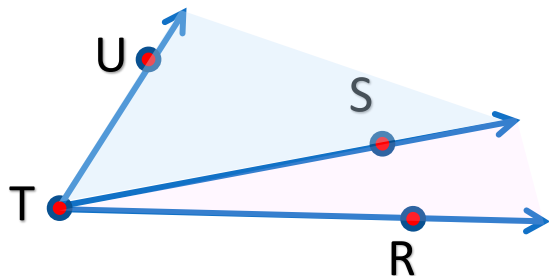


II. Classifying Angles

angle:



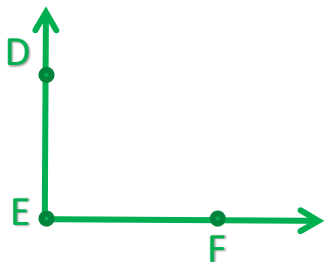
The vertex of the angle is the name of the angle, but if more than one angle is at the vertex, use points on each ray in the name.



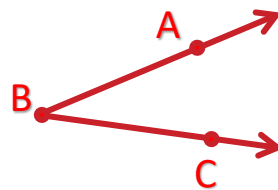
Name all three angles with vertex T

Angles are measured in _____.

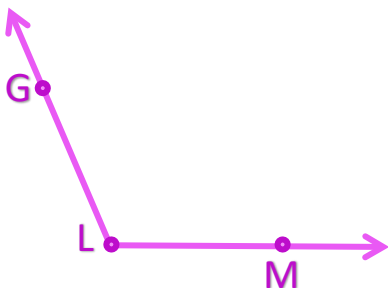
Right Angles



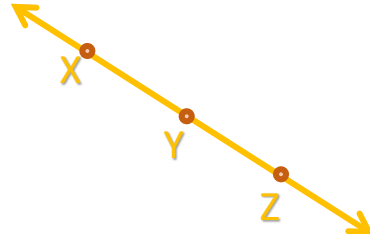
Acute Angles



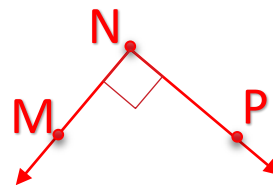
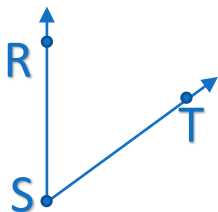
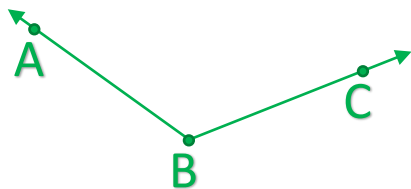
Obtuse Angles



Straight Angles



Write the name of each angle and classify it as acute, right, obtuse or straight.



15. What is the classification of an angle measuring exactly 90 degrees?

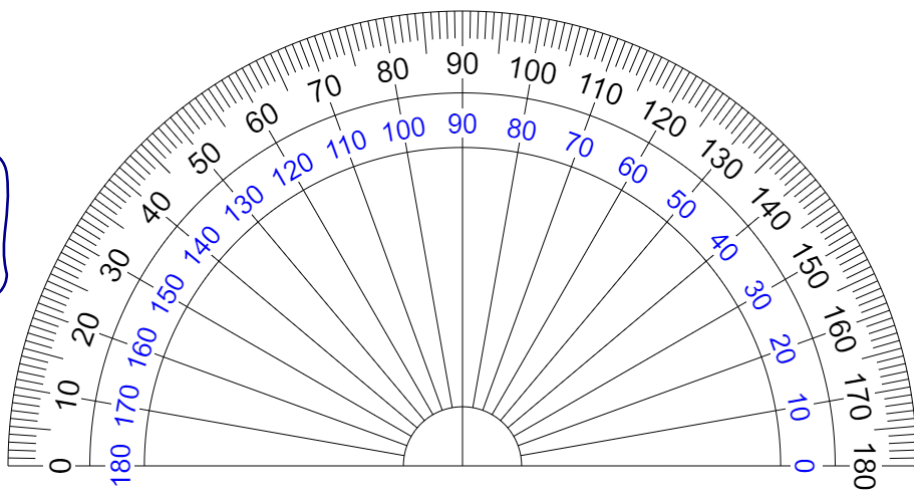
16. What is the classification of an angle measuring more than 90 degrees and less than 180 degrees?

17. What is the classification of an angle measuring less than 90 degrees?

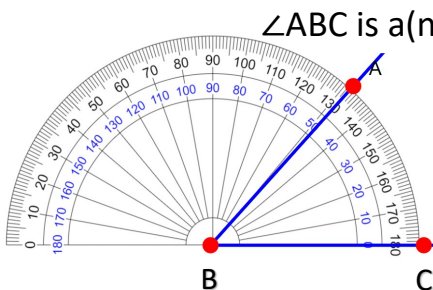
18. What is the classification of an angle measuring exactly 180 degrees?

III. Measuring Angles

Protractor: The tool used to measure angles



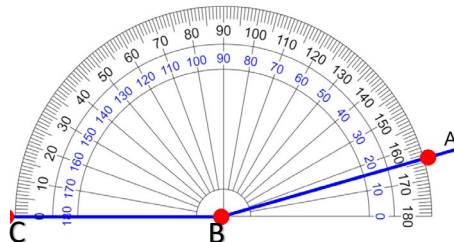
19. Classify, then measure $\angle ABC$



$\angle ABC$ is a(n) _____ angle

$\angle ABC =$ _____ $^{\circ}$

20. Classify, then measure $\angle ABC$



$\angle ABC$ is a(n) _____ angle

$\angle ABC =$ _____ $^{\circ}$

Explore

Plan

Solve

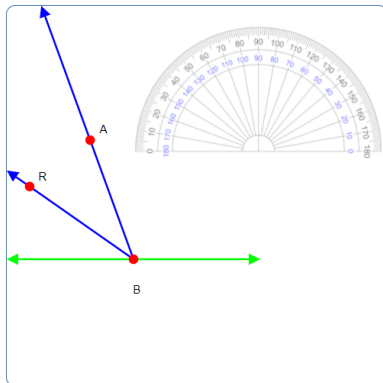
Check

To measure an angle:

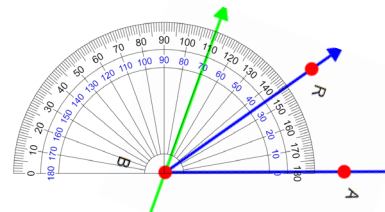
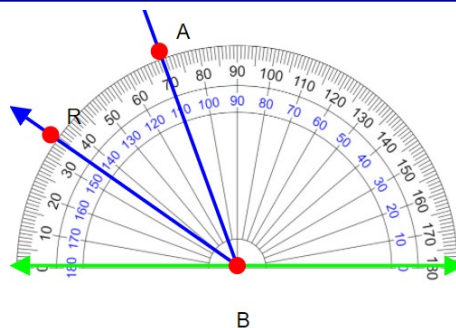
1. Determine if the angle is acute, or obtuse
2. Line up the protractor on one ray of the angle
3. Read the degree measurement.
 - If the angle is acute the measurement must be less than 90
 - If the angle is obtuse, the measure must be between 90 and 180
4. Does your answer make sense?

24. Classify, then measure $\angle ABR$

(Drag the protractor to the angle to measure it.)



$\angle ABC$ is a(n) , it measures degrees.



IV. Compare and Order Decimals

Compare Decimal Numbers: To determine the larger number start at the largest place value. Compare each place value, when the digits are different, the number with the greatest value is the larger number.

Compare using $<$, $>$, or $=$

125.003 and 125.3

thousands	hundreds	tens	ones	. (and)	tenths	hundredths	thousandths	Ten-thousandths

Ending or Terminal Zeros do not change the value of the number.

When necessary, add terminal zeros to a decimal number.

Compare 13.45 and 13.54

Compare 6903.002 and 6930.002

26. Enter the numbers 10.32 and 10.3 to make a true statement.

_____ < _____

27. Enter the numbers 598.63 and 598.54 to make a true statement.

_____ < _____

28. Enter the sign to make 0.4600 ____ 0.46 a true statement.

29. Enter the sign to make 0.77 ____ 0.83 a true statement.

V. Practice

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