

# 4.MD.5-7 Finding the Measure of an Unknown Angle

Using an equation, with a variable, to find the unknown angle.



## angle

A figure formed by two line segments or rays that share the same endpoint

Example:



## common endpoint

Where two line segments or rays meet.



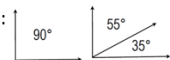
Example:



## decomposed angle

To separate an angle into two or more angles.

Example:



## protractor

A tool used to measure angles.

Example



## ray

A line with one endpoint that goes on forever in one direction.

Example:



## variable

A letter or symbol that represents an unknown number.

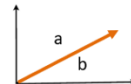


Example:  $4 \times b = 28$   
 $b$  is equal to 7

## adjacent angles

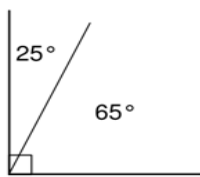
Two angles that share a common side.

Example:

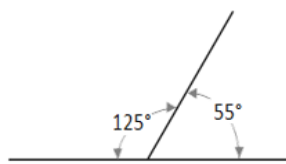


# PRACTICE

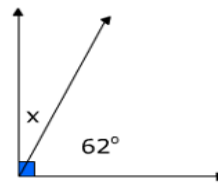
Write and solve an equation to find the combined measure of the two angles. Use a variable in your equation.



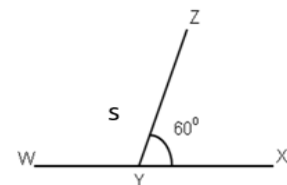
$x =$  \_\_\_\_\_



$x =$  \_\_\_\_\_



$x =$  \_\_\_\_\_



$s =$  \_\_\_\_\_



Pssst!  
Remember, "the variable" is what you are trying to solve for.