

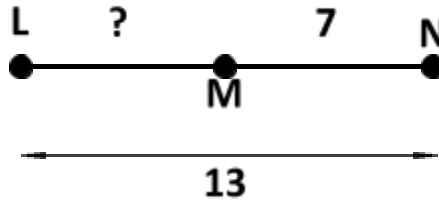
Segment Addition Postulate

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If B is between A and C ,
then $AB + BC = AC$.



Line Segment Addition:



Step 1: Find distance of segments

\overline{LM} (*missing*) =

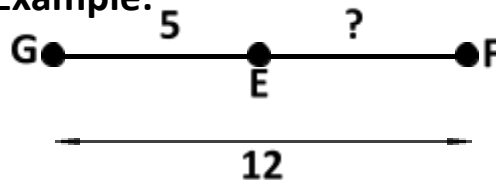
\overline{MN} (*known*) =

\overline{LN} (*whole*) =

Step 2: Subtract

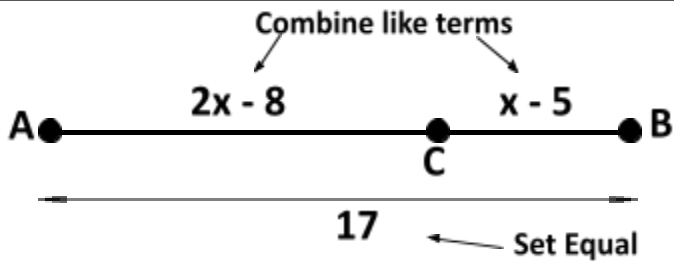
Whole – Part Known = Missing Part

Example:



Segment Addition Postulate

Segment Addition with Algebra:



Step 1: Add two pieces together (combine like terms)

$$(2x - 8) + (x - 5) = 3x - 13$$

Step 2: Set equal to distance (whole)

$$3x - 13 = 17$$

Step 3: Solve

$$3x - 13 = 17$$

Segment Addition Postulate

Example:

