



NAME _____ DATE _____

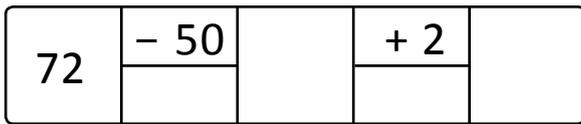
MEASUREMENTS OF DIFFERENT OBJECTS

Solve using tape diagrams. Use a symbol for the unknown.

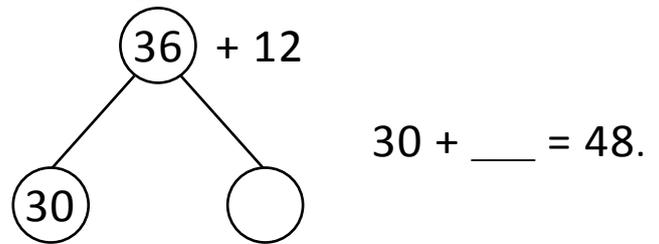
- 1) Janine Knitted 12 inches of a scarf on Friday and 36 inches on Saturday. She wants the scarf to be 72 inches long. How many more inches does she need to knit?

Solution: Janine knitted a scarf on Friday = ___ inches.
 Janine knitted a scarf on Saturday = ___ inches.
 Scarf knitted on both days = ___ + ___ = ___.
 She wants to scarf to be ___ inches long.
 She needs more inches to be knit = \square = ___ - ___ = ___.

By using tape diagram:



By using number bond:

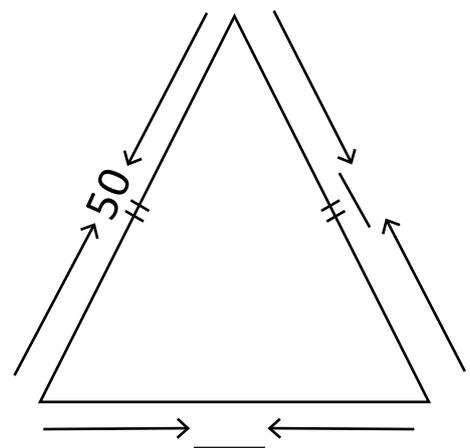


- 2) The total length of all three sides of a triangle is 120 feet. Two sides of the triangle are the same length. One of the equal sides measures 50 feet. What is the length of the side that is not equal?

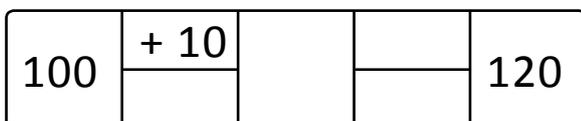
Solution:
 Two sides of the triangle are the same length.
 One of the equal sides measures ___ feet.
 Length of the side that is not equal = \square

$\square + \underline{\quad} + \underline{\quad} = \underline{\quad}.$

$\square + \underline{\quad} = 120.$



By using tape diagram:



$\square + \underline{\quad} + \underline{\quad} = \underline{\quad}.$

Length of the side that is not equal = ___ ft.