



NAME _____ DATE _____

MEASUREMENTS OF DIFFERENT OBJECTS

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

- 1) Frankie has a 64 - inch piece of rope and another piece that is 18 inches shorter than the first. What is total length of both ropes?

Solution:

Frankie has a ___ inches piece of rope.

Another piece that is ___ inches shorter than the first.

Length of another piece = ___ - ___ = ___.

By using tape diagram:

64	- 10		- 10		+ 2	

Total length of both ropes = ___ + ___ = ___.

By using tape diagram:

64		74		84		94		104	+ 6	

- 2) Maria had 96 inches of ribbon. She used 36 inches to wrap a small gift and 48 inches to wrap a larger gift. How much ribbon is left with her?

Solution: Maria had ___ inches of ribbon.

She used ___ inches to wrap a small gift.

And also used ___ inches to wrap a larger gift.

Remaining ribbon left with her = ()

Ribbon used for both gifts = $36 + 48 =$ ___

By using tape diagram:

36	+ 10		+ 10		+ 10		+ 10		+ 10		- 2	

(Subtracting 4 from both numbers)

= ___ - ___ = ___ (OR) = $92 - 80 =$ ___

Maria is left with ___ inches ribbon.