



NAME _____ DATE _____

RELATE ADDITION AND SUBTRACTION LENGTHS

Solve addition and subtraction word problems using the ruler as a number line.

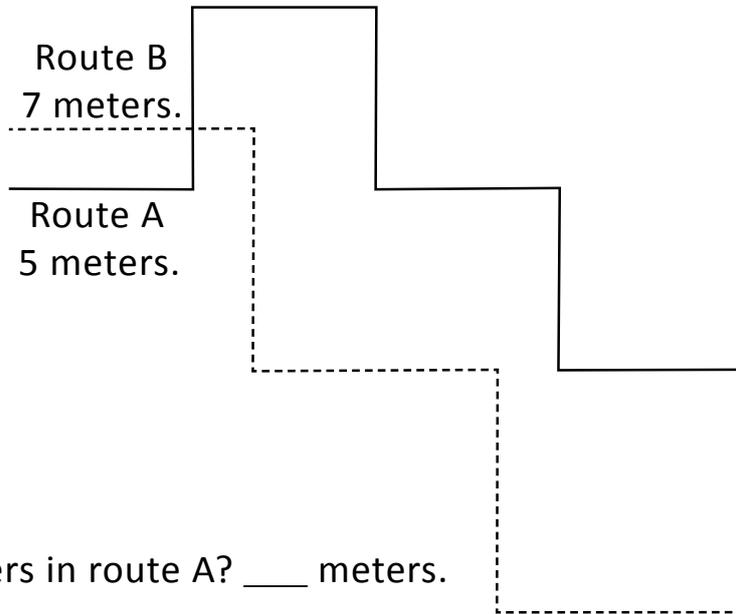
- 1) Ben took two different ways home from school to see which way was the quickest. All streets on route A are the same length. All streets on route B are the same length.

Solution:



Route B
7 meters.

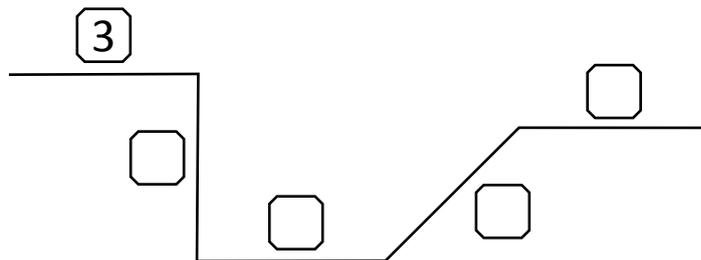
Route A
5 meters.



- How many meters in route A? ___ meters.
- How many meters in route B? ___ meters.
- What is the difference between route A and route B? ___ meters.
- Which route should Ben take if he wants get home quickly? _____.

- 2) All of the sides of the line below are equal length units.

Solution:



- Fill in the empty boxes with the lengths of each side.
- The line is ___ length units.
- How many lines would you need to add for the line to be 21 length units?
___ lines.

By arrow way:

$$15 \xrightarrow{+3} \underline{\quad} \xrightarrow{+3} \underline{\quad}$$