



NAME _____

DATE _____

RELATE ADDITION AND SUBTRACTION LENGTHS

Concrete to abstract measuring the lengths of string using measurement tools represent length with tape diagrams to represent and compare lengths.

1) Russel's thick wire.



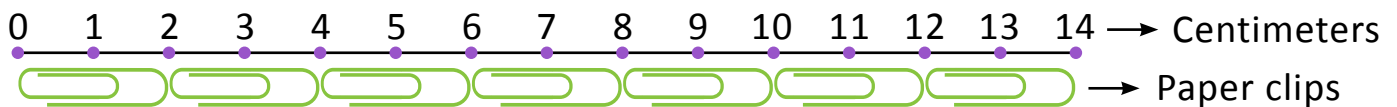
a) Measure the length of thick wire A with your centimeter ruler and your paper clip write the measurements the lines below.

___ centimeters.

___ paper clips.

b) Explain why the number of centimeters is larger than the number of paper clips. Use pictures or words.

Solution:



Here, 1 paper clip = ___ centimeters.

5 paper clips distance = ___ centimeters of distance.

Number of centimeters is larger than the number of paper clips.

c) Estimate the length of thick wire 'B' in paper clips.

___ paper clips.

d) How much longer is thick wire A than thick wire B? Give your answer in centimeters.

___ centimeters.

e) Russel is using the thick wires to tie up the bags. If he tapes the thick wires together with no overlaps, how many centimeters of thick wire does he have altogether.

Russel have the thick wires altogether tie up the bags = $14 + \underline{\quad} = \underline{\quad}$ cms.

f) If Russel needs 35 centimeters of thick wires, how much more does need?

$$22 + \underline{\quad} = 35.$$

By using tap diagram:

22	+ 8		+ 5	

He needs ___ centimeters more.