## 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) Measure the two lines by using your string. Write the length in centimeters.


Line M

Line $N$

Line $M$ is $\qquad$ centimeters long.

Line N is $\qquad$ centimeters long.
a) Mandy measured the lines and said both lines are the same length.

Is Mandy's answer correct? Yes or No? $\qquad$ .

Explain Why or Why not?

## Explanation:

b) Draw a tape diagram to compare the two lengths.

| 11 | + 1 | +1 | + 1 | +1 | 16 | 17 | 18 | +1 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |

19-11 = _ centimeters.

