



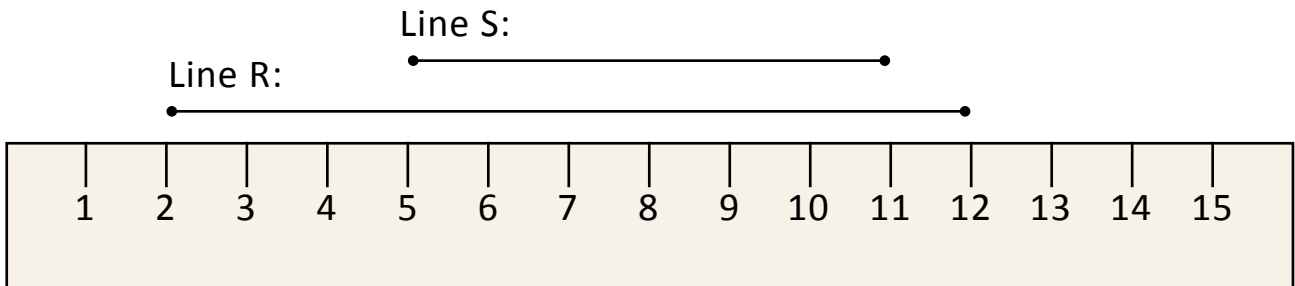
NAME _____

DATE _____

RELATE ADDITION AND SUBTRACTION LENGTHS

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

- 1) Using the ruler below draw one line that begins at 2 centimeters and ends at 12 centimeters label that line R. Draw another line that begins at 5 centimeters and ends at 11 centimeters label that line S.



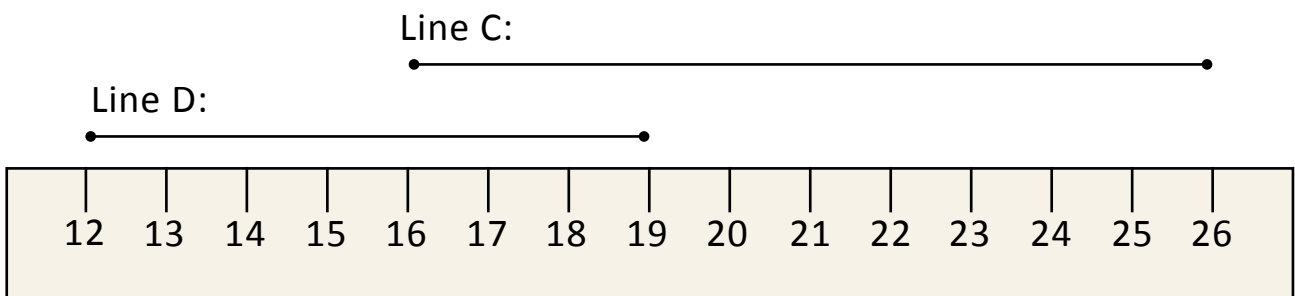
- a) Add 3 centimeters to line R and 4 centimeters to line S.
- b) How long is the new line extended from R? $15 - 12 = \underline{\quad}$ centimeters.
- c) How long is the new line extended from S? $15 - 11 = \underline{\quad}$ centimeters.
- d) The new line extended from line 'S' is $\underline{\quad}$ centimeter (longer / shorter) than the new line extended from line R.

- 2) Line C is $\underline{\quad}$ centimeters.

Line D is $\underline{\quad}$ centimeters.

Line C and D is $\underline{\quad}$ centimeters.

Line D is $\underline{\quad}$ centimeters (longer / shorter) than line D.



Line C = $26 - 16 = \underline{\quad}$ centimeters.

Line D = $19 - 12 = \underline{\quad}$ centimeters.

Line C and D = $10 + 7 = \underline{\quad}$ centimeters.

Line C is longer than line D = $10 - 7 = \underline{\quad}$ centimeters.