



NAME _____

DATE _____

RELATE ADDITION AND SUBTRACTION LENGTHS

Apply conceptual understanding of measurement by solving two step word problems.

1) Jesse's doll is 30 centimeter tall. Sarah's doll is 9 centimeter shorter than Jessie's doll. What is the total length of both dolls?

Solution:

Jesse's doll is ___ centimeters tall.

Sarah's doll is ___ centimeters shorter than Jessie's doll.

Step 1:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
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16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
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9 centimeters cut off.

Sarah's doll is = ___ centimeters.

By tape diagram:

30	-10		+ 1	

Step 2:

Length of both dolls = $30 + 21 =$ ___ centimeters long.

By tape diagram:

30	+ 10		+ 10		+ 1	