

RELATE ADDITION AND SUBTRACTION LENGTHS

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

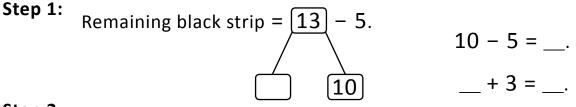
 Steven has black leather strip that is 13 centimeters long. He cut off 5 centimeters. His teacher gave him a brown leather strip that is 16 centimeters long what is the total length of both strips?

Solution:

Length of leather black strip = ____ centimeters long.

He cuts off ____ centimeters.

A brown leather strip given by the teacher _____ centimeters.



Step 2:

Now the total length of the strips = 8 + 16 =____ centimeters long.

By tape diagram:

0	+ 10	+ 2	+ 4	
0				

2) The length of a crayon is 9 centimeters. A pencil is 11 centimeters longer than the crayon. What is the total length of both the crayon and the pencil?

Solution: The length of a crayon is ____ centimeters.

A pencil is _____ centimeters longer than the crayon.

 Step 1:
 The length of the pencil = 11 + 9.
 $9 + _ = 10$.

 1
 1
 $+ _ = 20$ centimeters.

Step 2:

Total length of both crayon and the pencil = 20 + 9 =____.

(OR)

By tape diagram:

20	+ 9	
20		

