



Challenging Problems

Worked Example 1

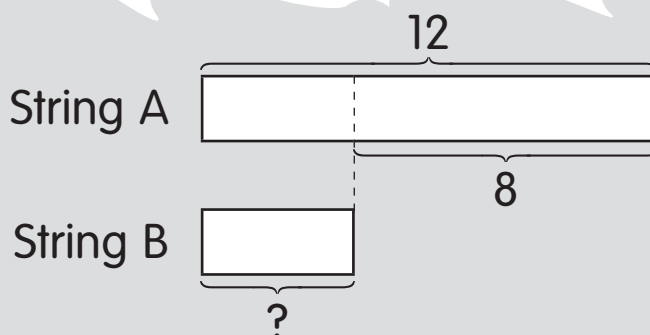
String A is 12 units long.

String B is 8 units shorter than string A.

(a) How long is string B?

(b) What is the total length of string A and string B?

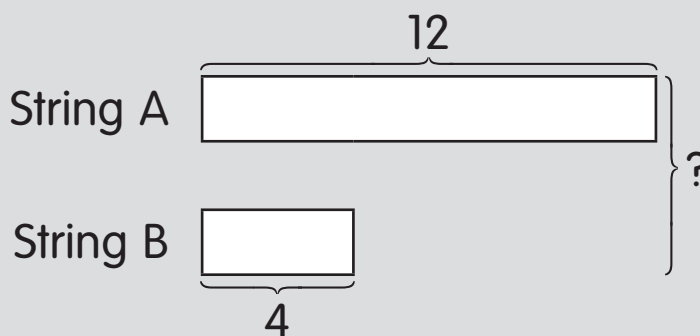
(a)



$$12 - 8 = 4$$

String B is **4** units long.

(b)



$$12 + 4 = 16$$

The total length of string A and string B is **16** units.