

The background of the entire page is a repeating purple chevron pattern. The chevrons are arranged in a staggered grid, with each row of chevrons pointing in the opposite direction to the row above and below it. The purple is a medium, muted shade.

Segment Addition

Postulate

Foldable

Segment Addition Postulate



$AC = 120$. What are AB and BC?



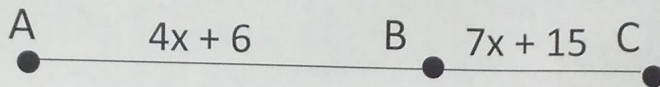
Part 1

+ Part 2 =

Whole

Finished product

Segment Addition Postulate



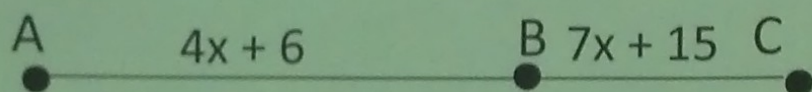
$AC = 120$. What are AB and BC?

Part 1

+ Part 2 =

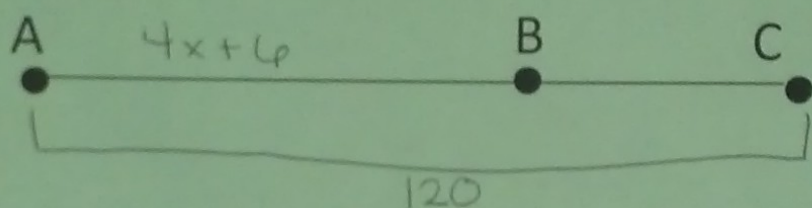
Whole

Segment Addition Postulate



$AC = 120$. What are AB and BC?

$$\overline{AB} + \overline{BC} = AC$$



$$= 120$$

$$4x + 6 + 7x + 15 = 120$$

$$11x + 21 = 120$$

$$11x = 99$$

$$x = 9$$

$$AB = 4(9) + 6 = 42$$

$$BC = 7(9) + 15 = 78$$