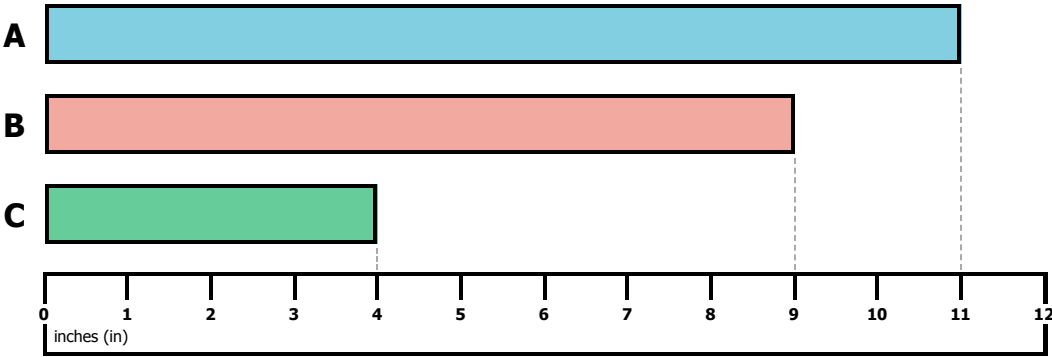


1.



The length of **A** is _____ in

A is _____ in longer than **B**

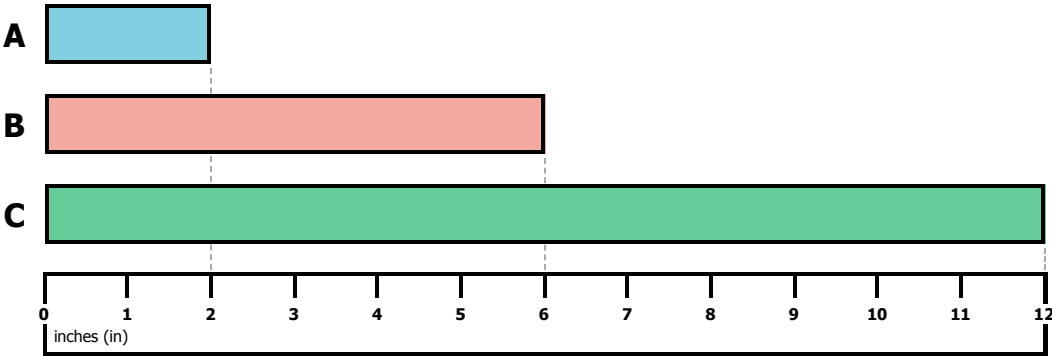
The length of **B** is _____ in

A is _____ in longer than **C**

The length of **C** is _____ in

B is _____ in longer than **C**

2.



The length of **A** is _____ in

A is _____ in shorter than **B**

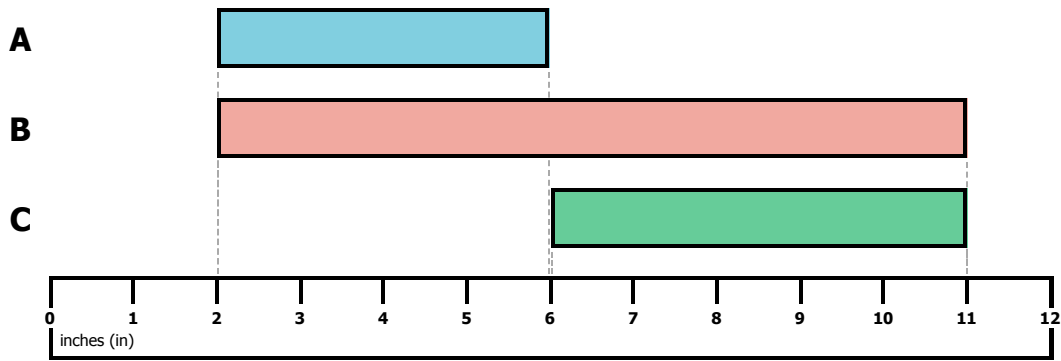
The length of **B** is _____ in

A is _____ in shorter than **C**

The length of **C** is _____ in

B is _____ in shorter than **C**

1.

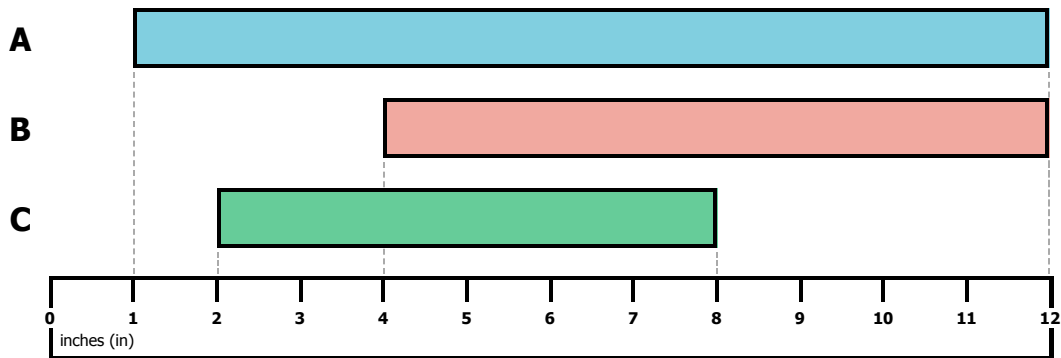


The length of **A** is _____ in **A** is _____ in shorter than **B**

The length of **B** is _____ in **A** is _____ in shorter than **C**

The length of **C** is _____ in **B** is _____ in longer than **C**

2.

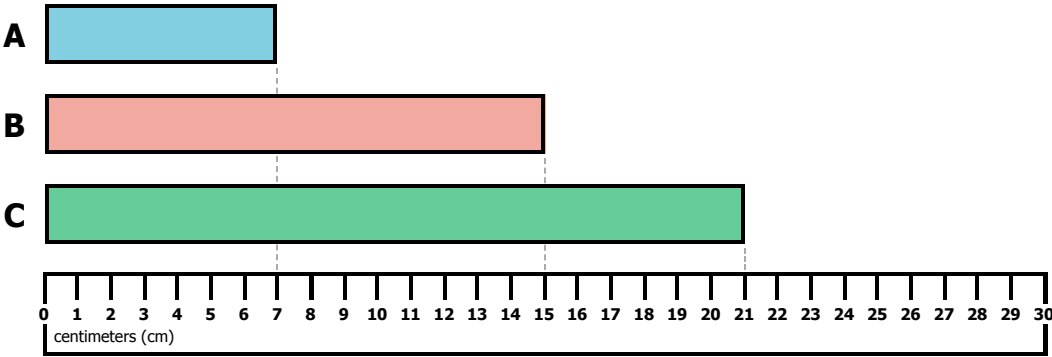


The length of **A** is _____ in **A** is _____ in longer than **B**

The length of **B** is _____ in **A** is _____ in longer than **C**

The length of **C** is _____ in **B** is _____ in longer than **C**

1.

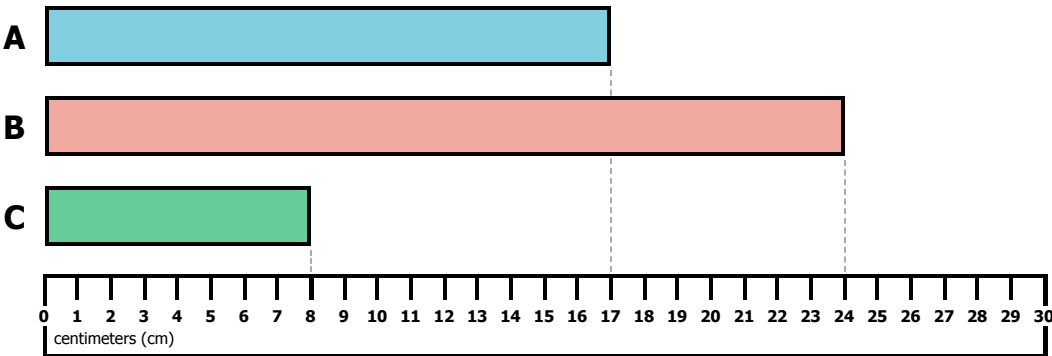


The length of **A** is _____ cm **A** is _____ cm shorter than **B**

The length of **B** is _____ cm **A** is _____ cm shorter than **C**

The length of **C** is _____ cm **B** is _____ cm shorter than **C**

2.



The length of **A** is _____ cm **A** is _____ cm shorter than **B**

The length of **B** is _____ cm **A** is _____ cm longer than **C**

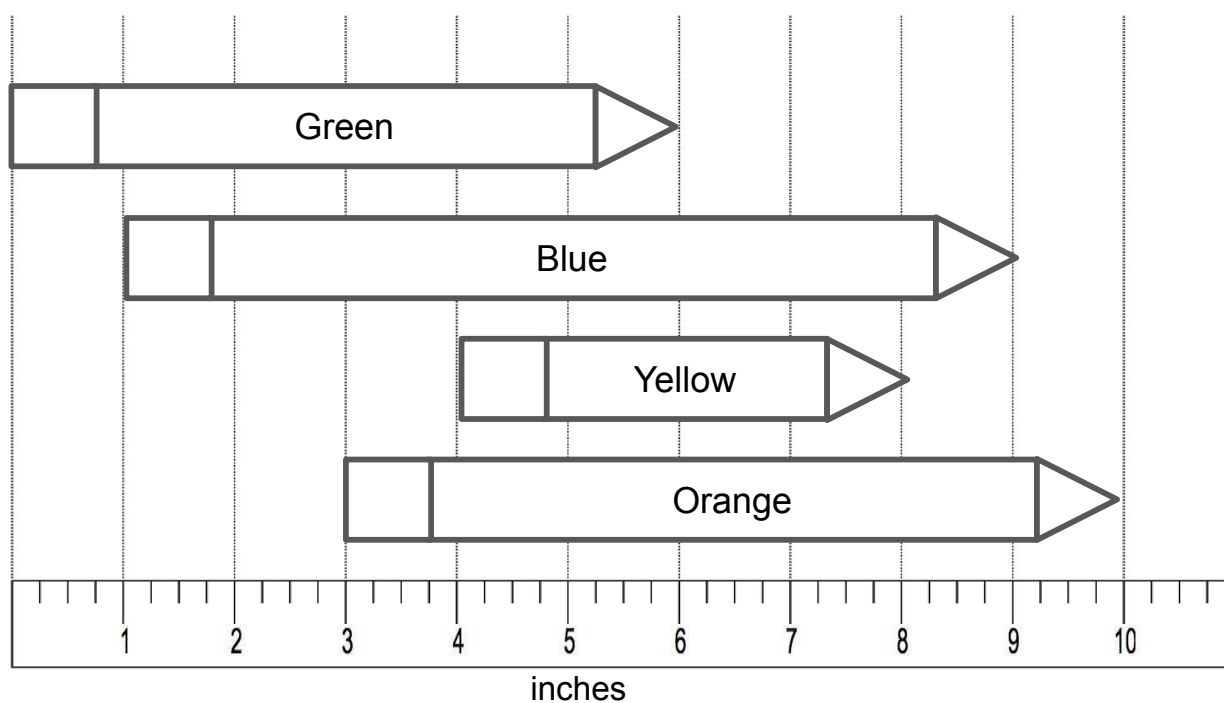
The length of **C** is _____ cm **B** is _____ cm longer than **C**

Mrs. Gaines is buying a new rug for her room. To help her figure out what size to buy, she asks 2 students, Chip and Joanna, to measure her room.

- Chip measures one side of the room with a 9-ft tape. It fits end-to-end exactly 4 times. Draw a bar model to find the length of the room, in feet.
- Joanna measures the same side with a 3-ft yardstick. It fits end-to-end exactly 12 times. Draw a bar model to find the total length, in feet.
- Does it make sense that Chip and Joanna get the same total length? Why or why not?

MEASUREMENT - A

Use the diagram to answer the questions below.



1. How long is the blue pencil?

2. How much longer is the orange pencil than the yellow pencil?

3. How long are the green and yellow pencils when they are placed end to end?
