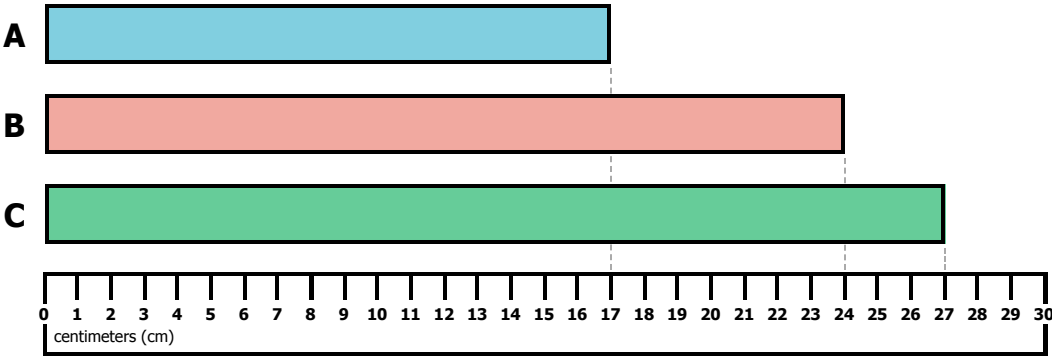


1.

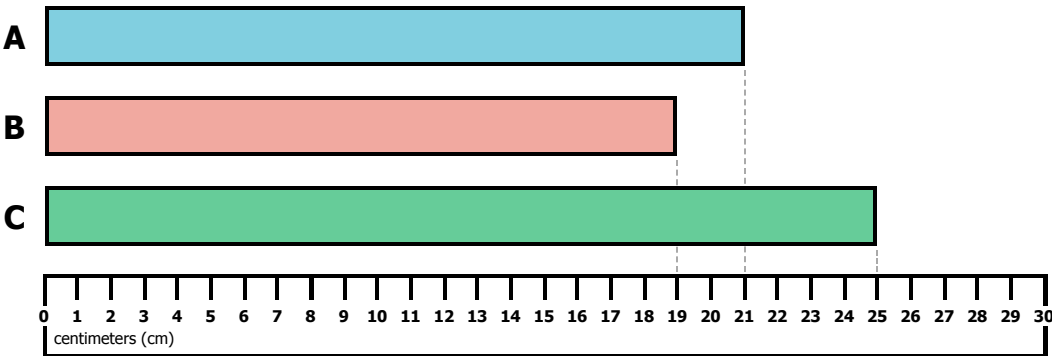


The length of **A** is _____ cm **A** is _____ cm shorter than **B**

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.

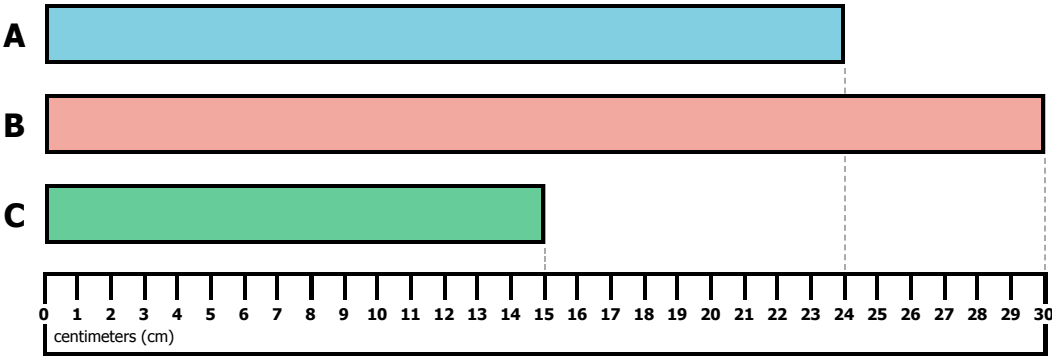


The length of **A** is _____ cm **A** is _____ cm longer than **B**

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

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

1.

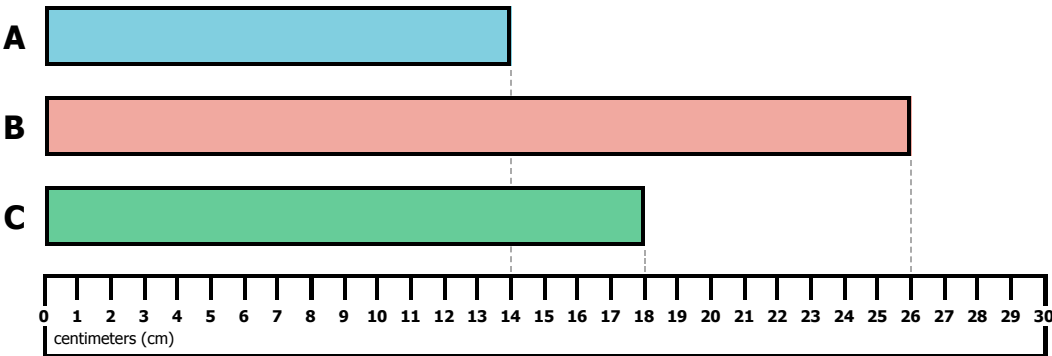


The length of **A** is _____ cm **A** is _____ cm shorter than **B**

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

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

2.

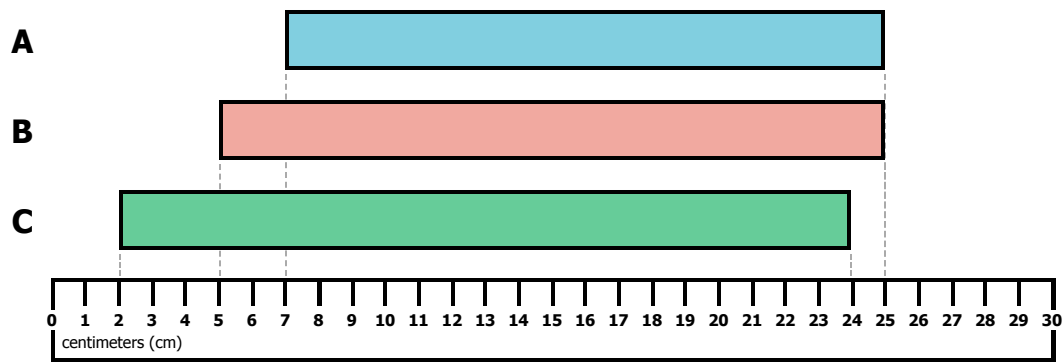


The length of **A** is _____ cm **A** is _____ cm shorter than **B**

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

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

1.

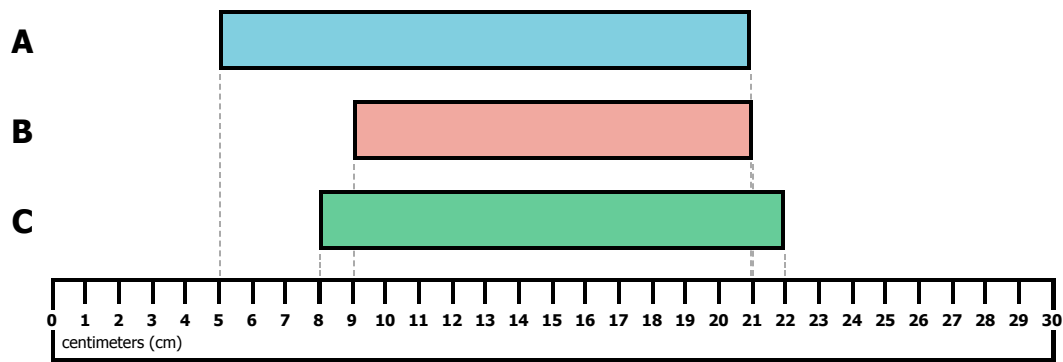


The length of **A** is _____ cm **A** is _____ cm shorter than **B**

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.

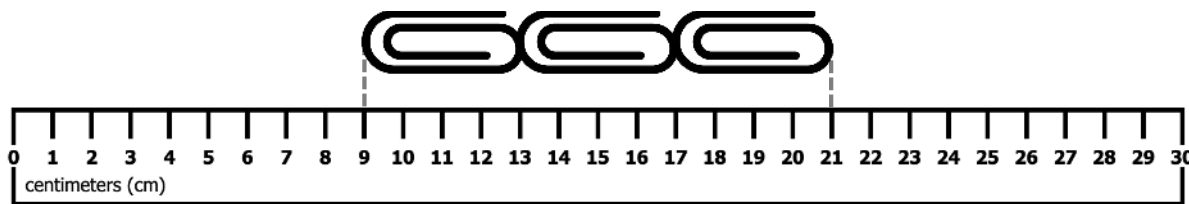


The length of **A** is _____ cm **A** is _____ cm longer than **B**

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

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

Andre uses a ruler to measure the length of 3 paper clips, as shown below.



To find their total length, Andre counts the marks on the ruler, starting at the mark above the digit “9.” He counts 13 marks, so Andre says the total length of the paper clips is 13 centimeters.

a. Is Andre correct? Explain if you agree or disagree with his strategy.

b. Find the total length of the paper clips without counting. Show your thinking by writing and solving a subtraction or addition equation.

MEASURE UP - E

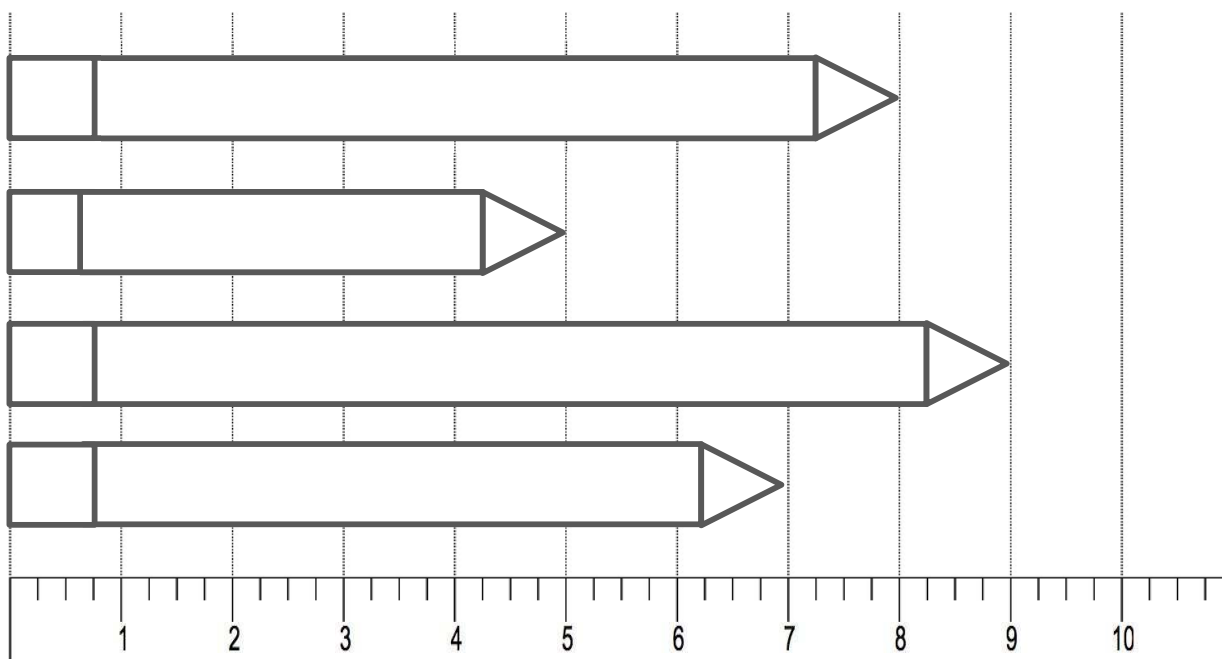
Use the clues to label each pencil with the correct color.

Clues:

Together, the yellow and brown pencils are 15 cm long.

The shortest pencil is purple.

The orange pencil is 2 cm longer than the yellow pencil.



Centimeters