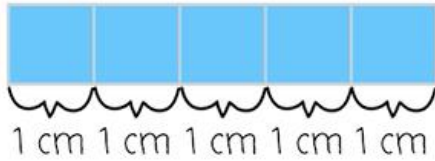
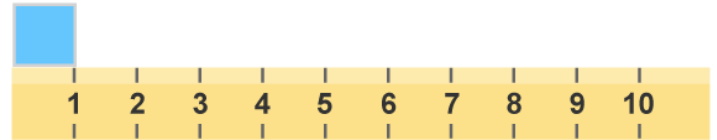


## 2nd Grade Mission 2 Notes



The battery is 5 cm long.

When measuring an object, always begin with the endpoint and measure to the other endpoint WITHOUT any gaps or space in between the blocks.



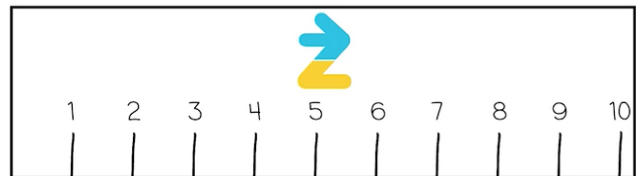
One centimeter block is 1 centimeter long.

When an object is between two measurements, we say it is ABOUT the closest measurement to the end of the object.

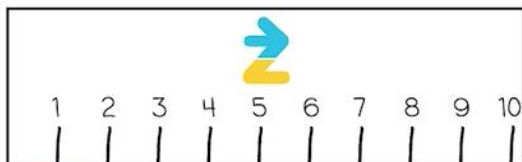


The crayon is about 7 cm long.

When you **mark and move**, make sure the space are **equal** or the **same amount**.



When measuring an object with a ruler, line up the object at the **end of the ruler.**



The scissors are about 7 cm long.



Meter stick is longer than a centimeter ruler.



This meter stick is about 10 centimeter rulers long. 🗣️

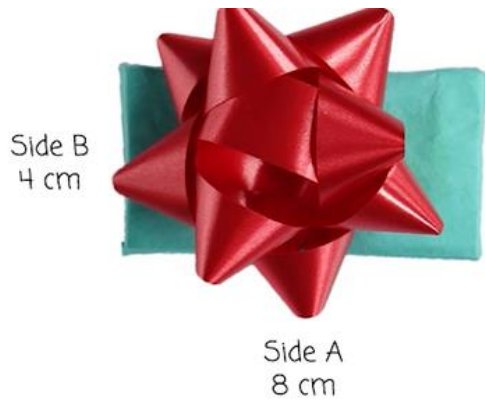
100 centimeters (cm) = 1 meter (m)

Centimeters- measure <b>small</b> things	Examples: pencil, flower, hamster, phone
Meters- measure <b>big/tall</b> things	Examples: person, door, pool, tree
Meter stick- used to measure <b>straight</b> things.	Examples: bookshelf, rug
Meter tape- used to measure <b>curved or round</b> things.	Examples: ball, globe

Your pinky (smallest finger) is about 1 cm. You can use your pinky to estimate (guess) how long something is in centimeters.



To find out how much longer something is, you **SUBTRACT** the sides.



$$8 \text{ cm} - 4 \text{ cm} = 4 \text{ cm}$$

Side A is 4 cm longer than Side B.

### Doubles

$1 + 1 = 2$

$2 + 2 = 4$

$3 + 3 = 6$

$4 + 4 = 8$

$5 + 5 = 10$

$6 + 6 = 12$

$7 + 7 = 14$

$8 + 8 = 16$

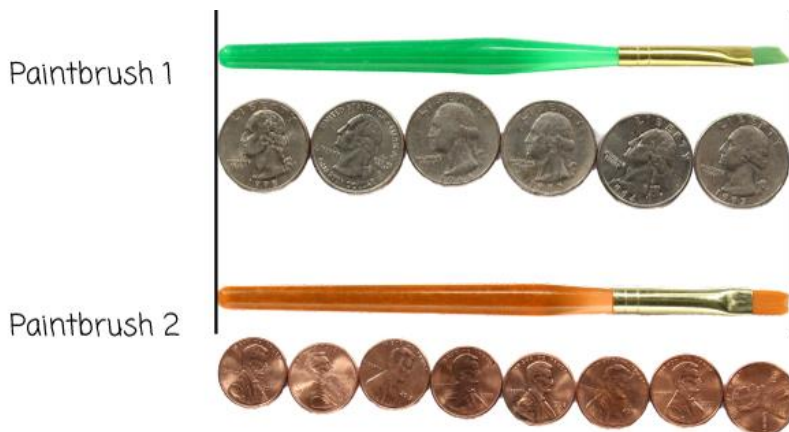
$9 + 9 = 18$

$10 + 10 = 20$

Yarn E is 5 cm longer than Yarn C. Find the length of Yarn E.



$$9 \text{ cm} + 5 \text{ cm} = 14 \text{ cm}$$



The paint brushes are the same length. But they have more pennies, because pennies are smaller than quarters.

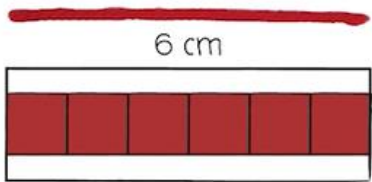


The measurements are different because we used different sized paper clips.

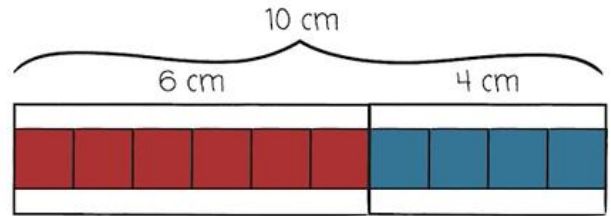


If the unit is smaller, the measurement number is **bigger**

TAPE DIAGRAM



Red string



Blue string

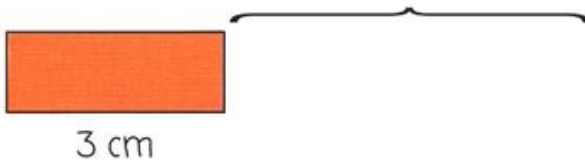
$$6 + 4 = 10$$

The blue string is 10 cm long.

How much longer is Tape B than Tape A?

?

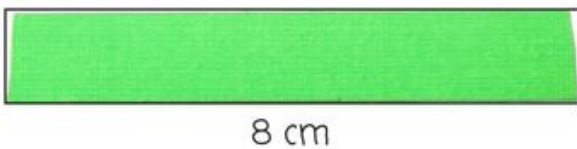
Tape A



$$8 \text{ cm} - 3 \text{ cm} = 5 \text{ cm}$$

Tape B is 5 cm longer than Tape A.

Tape B

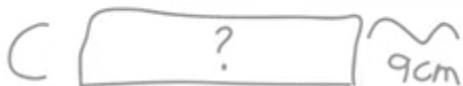


Maura's block tower is 30 cm tall. Colleen's block tower is 9 cm shorter than Maura's. How tall is Colleen's tower?



$$30 - 9 = ?$$

Colleen's tower is 21 cm tall.



$$30 - 9 = 21$$