

Name: _____

Date: _____

CHAPTER
7

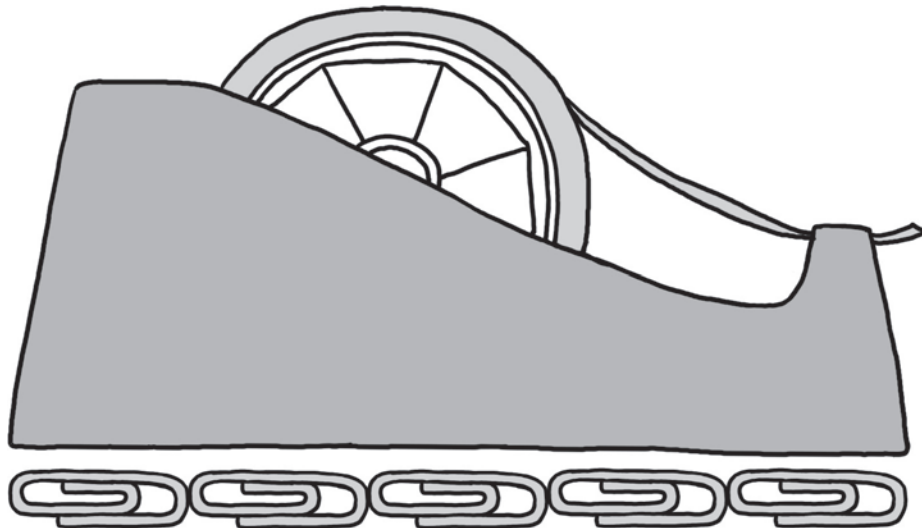
Metric Measurement of Length

Worksheet 1 Measuring in Meters

Find the missing numbers.

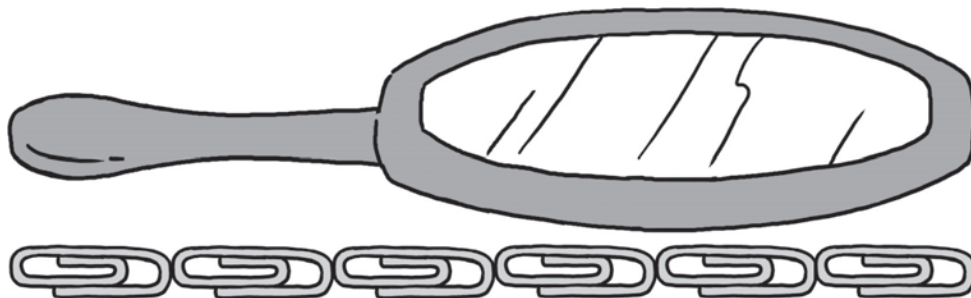
1  stands for 1 unit.

1.



The tape dispenser is about _____ units long.

2.



The mirror is about _____ units long.

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Look at the drawings.
Then answer the questions.

Example



The length of the chest is 1 meter.

A meter is a unit of length.
m stands for meter.
Read 1 m as one meter.
A meter is a little longer than 3 feet.

3.



The length of the desk is _____ meters.

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Look at the drawings.

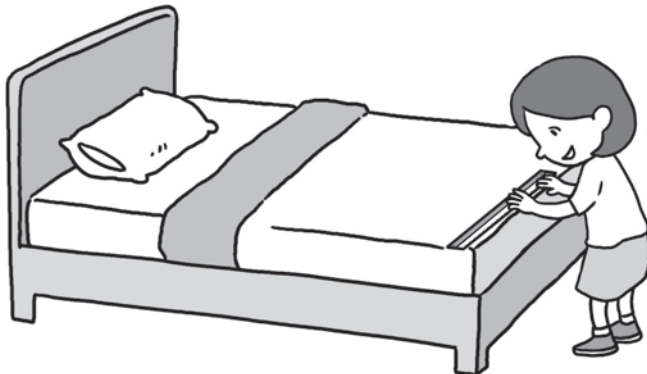
Then fill in the blanks with *more* or *less*.

Example



The length of the sketchpad is less than 1 meter.

4.



The width of the bed is _____ than 1 meter.

5.



The height of the table is _____ than 1 meter.

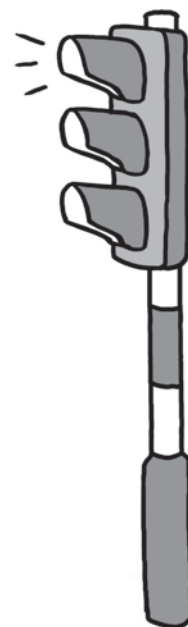
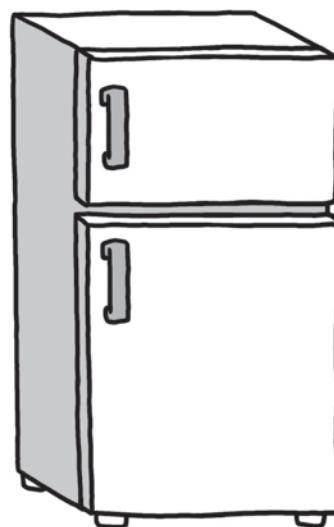
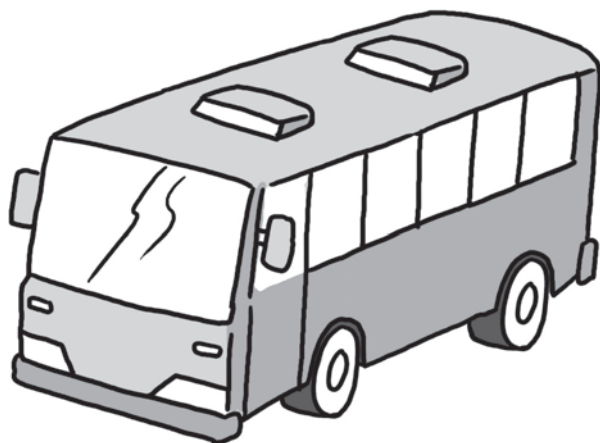
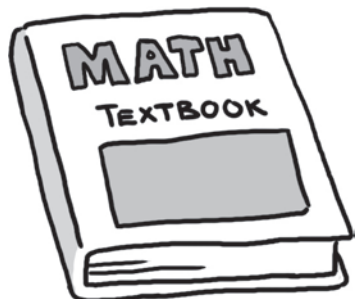
Name: _____

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Look at the drawings.

Circle the items that are longer than 1 meter.

6.



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Worksheet 2 Comparing Lengths in Meters

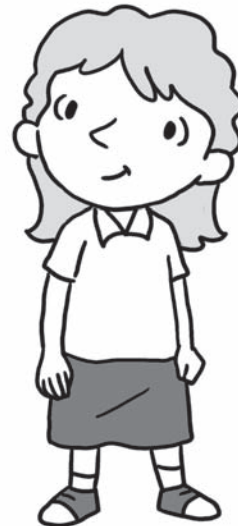
Write *True* or *False*.



Shannon



Melanie



Helen

Example

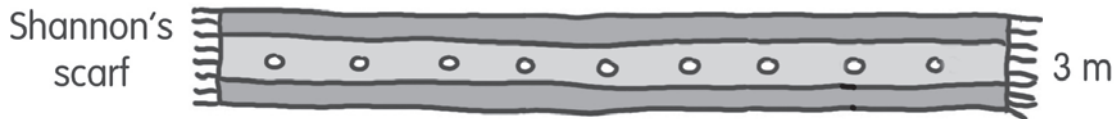
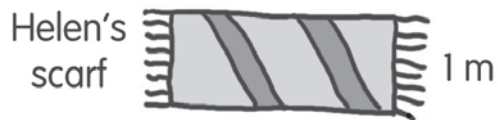
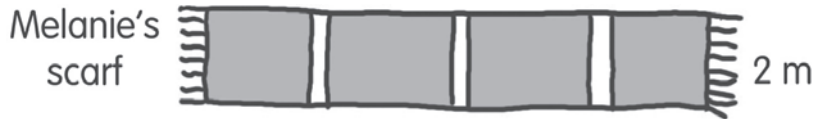
Shannon is taller than Melanie. True

1. Melanie is the tallest. _____
2. Helen is shorter than Shannon. _____
3. Helen is the shortest. _____

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Write True or False.



Example

Helen's scarf is longer than
Shannon's scarf.

False

4. Melanie's scarf is the longest. _____
5. Helen's scarf is the shortest. _____
6. Helen's scarf is longer than
Melanie's scarf. _____
7. Melanie's scarf is 1 meter
longer than Helen's scarf. _____
8. Helen's scarf is 2 meters
shorter than Shannon's scarf. _____

Name: _____

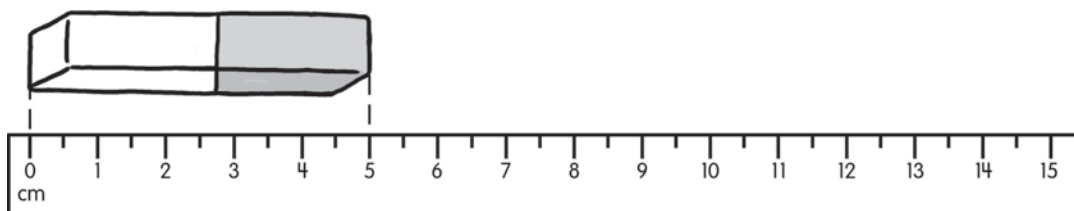
Date: _____

Worksheet 3 Measuring in Centimeters

Look at the drawings.

Then answer the questions.

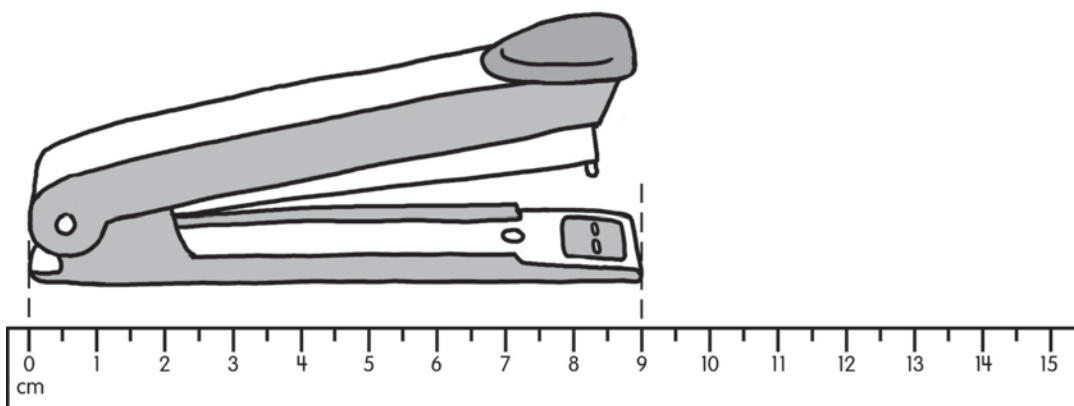
Example



The length of the eraser is 5 centimeters.

**A centimeter is a unit of length.
cm stands for centimeter.
Read 1 cm as one centimeter.
A centimeter is used to measure
shorter lengths.**

1.



The length of the stapler is _____ centimeters.

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Date: _____

Look at the curve below.

Place a string along the curve.

Cut a piece of string as long as the curve.

Then place the string on a ruler to find its length in centimeters.

2.



Place the string above the zero mark on a centimeter ruler to find its length.



Curve A is _____ centimeters long.

Use a centimeter ruler to measure.

Circle the lines that are 4 centimeters long.

3.

A _____

C

D

E _____

B _____



F _____

Name: _____

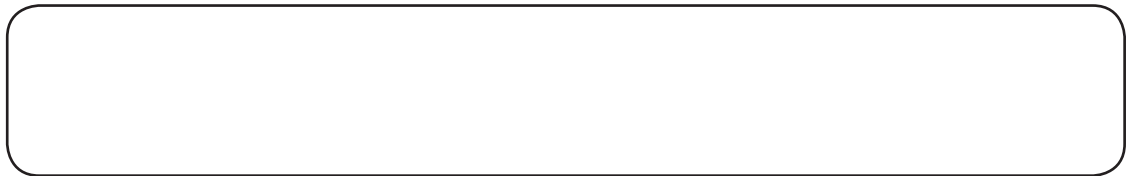
Date: _____

Use your centimeter ruler to draw.

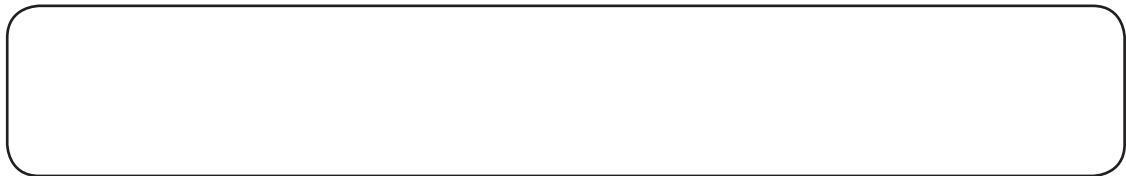
- 4.** A line that is 3 centimeters long



- 5.** A line that is 7 centimeters long



- 6.** A line that is 11 centimeters long

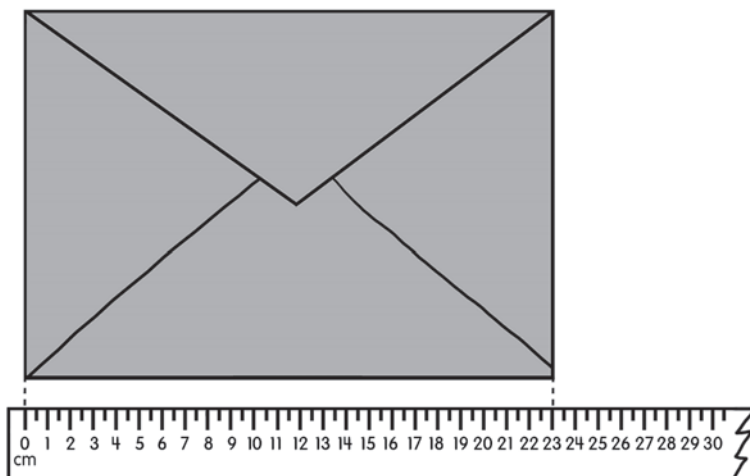


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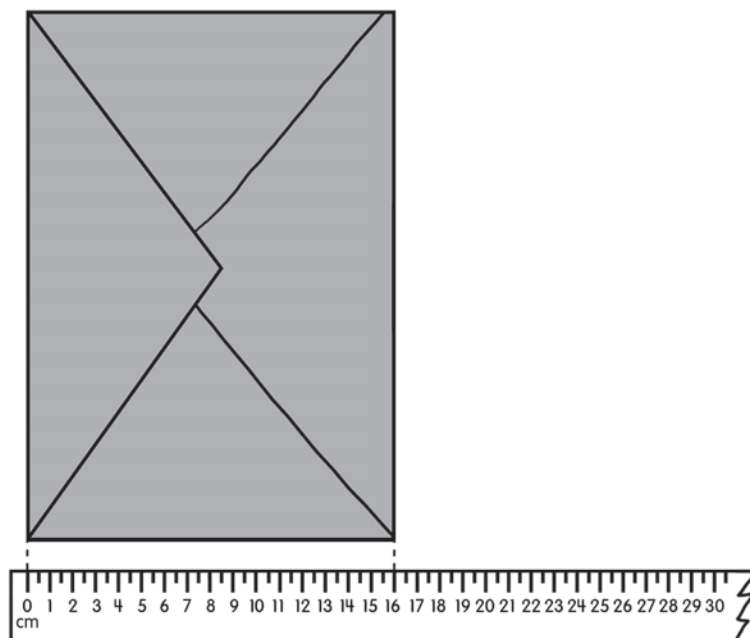
Find the missing numbers.

Example



The length of the envelope is 23 centimeters.

7.



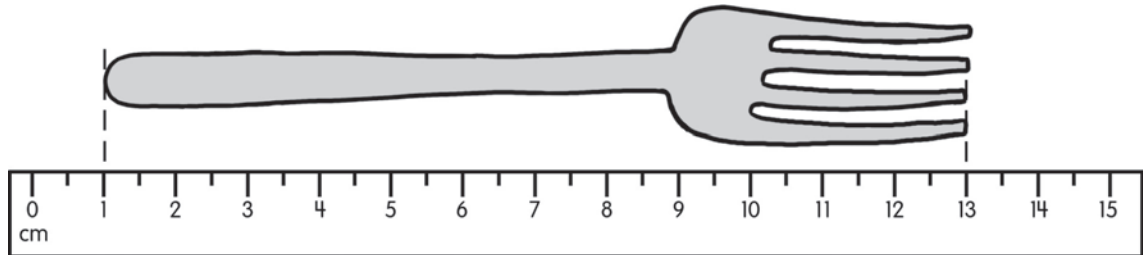
The width of the envelope is _____ centimeters.

Name: _____

Date: _____

Find the missing numbers.

Example



The fork is not above the zero mark of the ruler. How can I find its length?

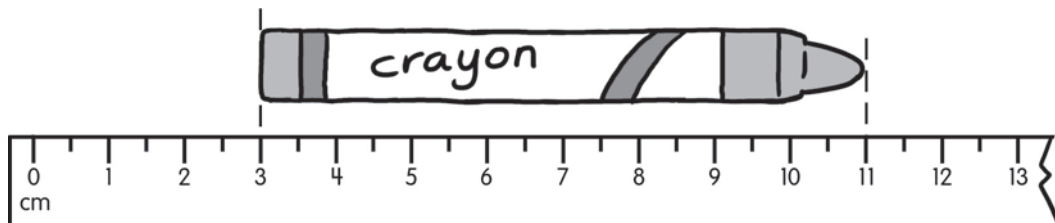


You can subtract to find the length of the fork.
 $13 - 1 = 12$



The length of the fork is 12 centimeters.

8.

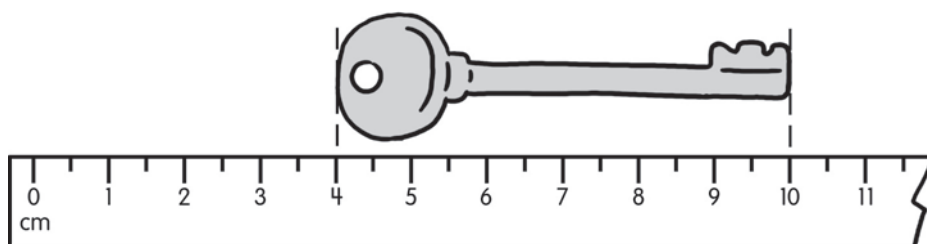


The crayon is _____ centimeters long.

Name: _____

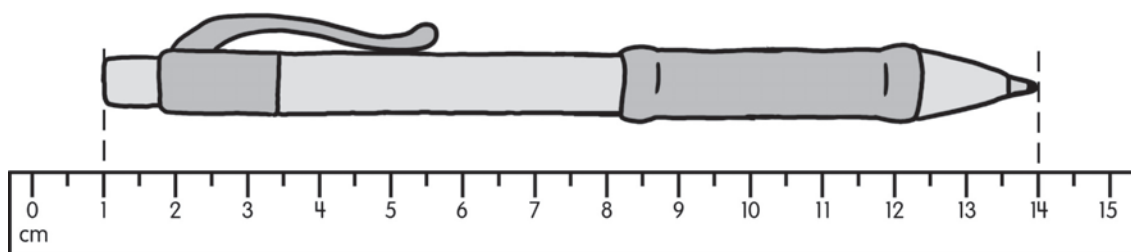
Date: _____

9.



The key is _____ centimeters long.

10.



The pen is _____ centimeters long.

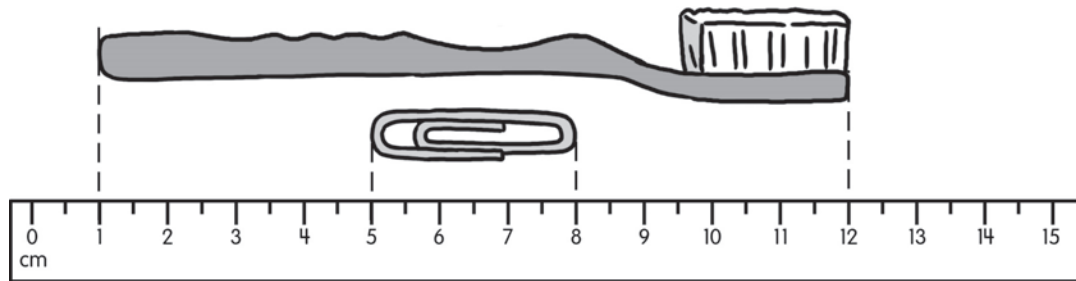
Name: _____

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Worksheet 4 Comparing Lengths in Centimeters

Find the missing numbers.

Example

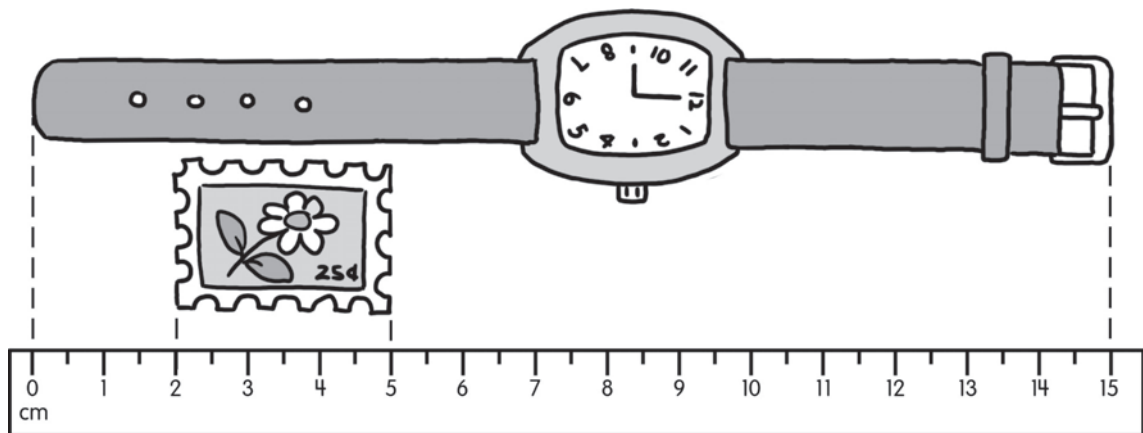


The toothbrush is 11 centimeters long.

The paper clip is 3 centimeters long.

The toothbrush is longer than the paper clip.

1.



The watch is _____ centimeters long.

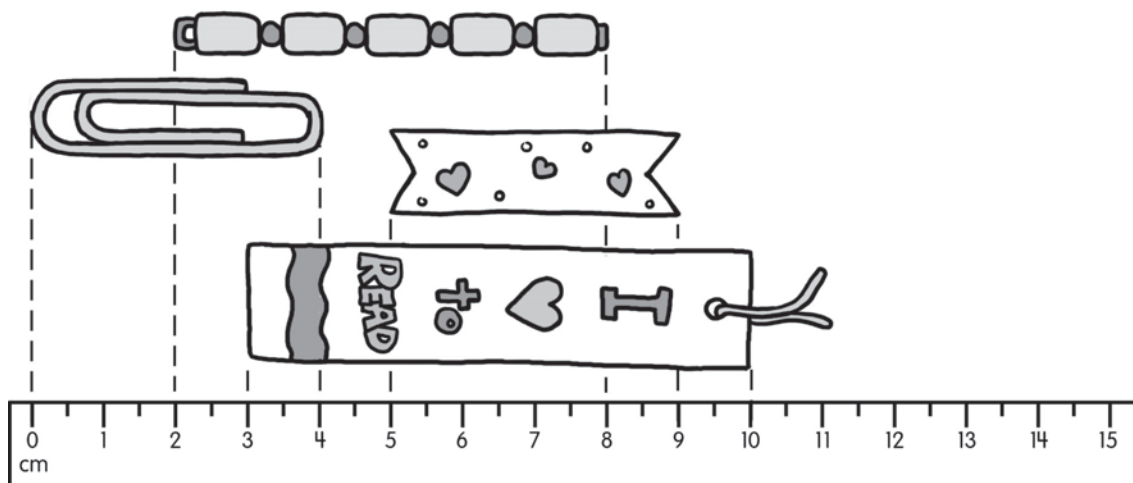
The stamp is _____ centimeters long.

The _____ is shorter than the _____.

Name: _____

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2.



- a. The length of the bookmark is _____ centimeters.
- b. The longest item is the _____.
- c. The _____ is longer than the bracelet.
- d. The _____ and the _____ have the same length.

Use a ruler to measure Line A.

Then draw a line that is 4 centimeters longer than Line A.

3. Line A _____



Name: _____

Date: _____

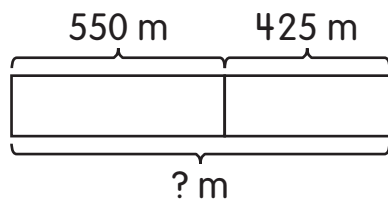
Worksheet 5 Real-World Problems: Metric Length

Solve.**Use the bar models to help you.****Example**

Nicole runs 550 meters.

Mina runs 425 meters.

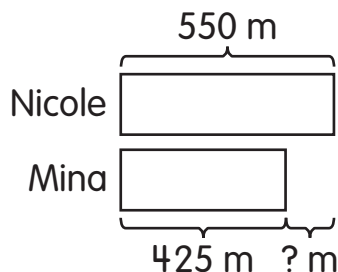
- a.** How many meters do they run in all?



$$550 + 425 = \underline{975}$$

They run 975 meters in all.

- b.** How many meters farther than Mina does Nicole run?



$$550 - 425 = \underline{125}$$

Nicole runs 125 meters farther than Mina.

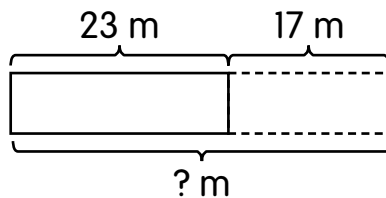
Name: _____

Date: _____

Solve.

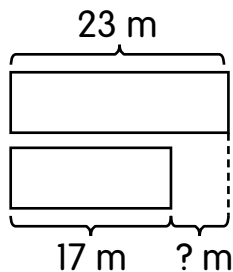
Use the bar models to help you.

1. Harry bought a piece of cloth.
He cut off a piece of cloth 17 meters long.
He has 23 meters of cloth left.
- a. How many meters of cloth did Harry buy?



Harry bought _____ meters of cloth.

- b. How much shorter is the piece of cloth that Harry cut off than the piece of cloth left?



The piece of cloth that Harry cut off is _____ meters shorter.

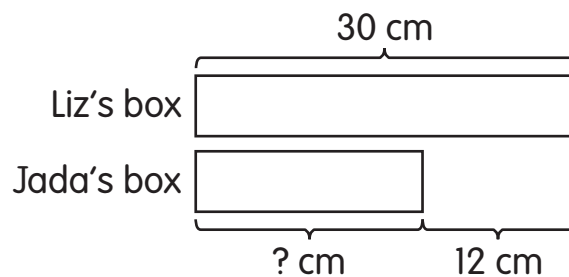
Name: _____

Date: _____

Example

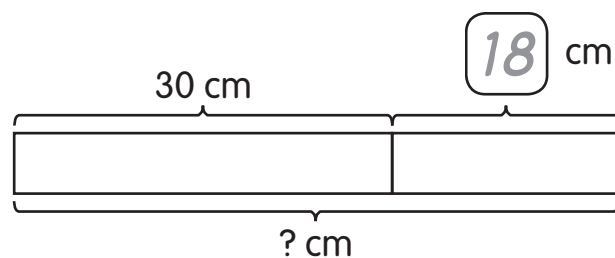
The length of Liz's box is 30 centimeters.
The length of Jada's box is 12 centimeters less than the length of Liz's box.

- a. What is the length of Jada's box?



The length of Jada's box is 18 centimeters.

- b. What is the total length of both their boxes?



The total length of both their boxes is 48 centimeters.

Name: _____

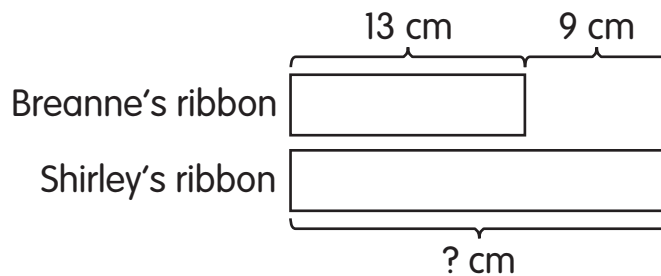
Date: _____

Solve.

Use the bar models to help you.

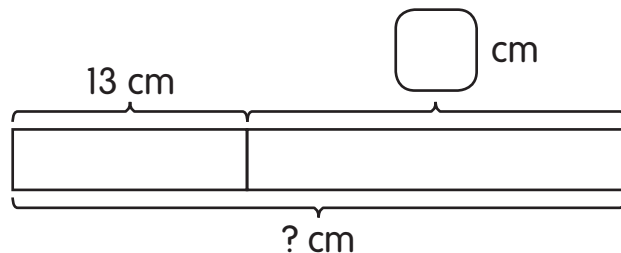
- 2.** Breanne has a ribbon that is 13 centimeters long. Shirley has a ribbon that is 9 centimeters longer than Breanne's ribbon.

- a.** What is the length of Shirley's ribbon?



The length of Shirley's ribbon is _____ centimeters.

- b.** What is the total length of their ribbons?



The total length of their ribbons is _____ centimeters.