

MSP

Grade 2 Module 2



Lesson Refreshers



&

Homework Starters

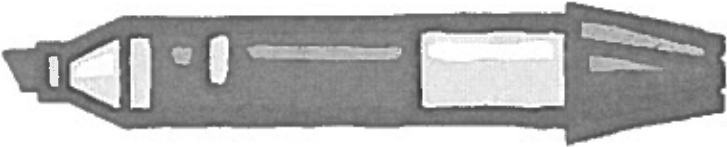

Name _____ Date _____

Count each centimeter cube to find the length of each object.

1. 
 The crayon is _____ centimeter cubes long.

2. 
 The pencil is _____ centimeter cubes long.

3. 
 The clothespin is _____ centimeter cubes long.

4. 
 The length of the marker is _____ centimeter cubes.

4. Samantha used a centimeter cube and the mark and move forward strategy to measure these ribbons. Use her work to answer the following questions.

Red Ribbon



Blue Ribbon



Yellow Ribbon



count the spaces,
not the lines.

a. How long is the red ribbon? 9 centimeters long.

b. How long is the blue ribbon? 6 centimeters long.

c. How long is the yellow ribbon? 4 centimeters long.

d. Which ribbon is the longest? Red Blue Yellow

e. Which ribbon is the shortest? Red Blue Yellow

f. The total length of the ribbons is 19 centimeters.

9 ones
6 ones
4 ones

$$9 + 6 + 4$$

$$9 + 6 + 4 = 10 + 5 + 4$$

$$\begin{array}{r} 9 \\ 6 \\ + 4 \\ \hline 19 \text{ cm} \end{array}$$

Cut out the centimeter square below to measure the length of the glue bottle, lollipop, and scissors.

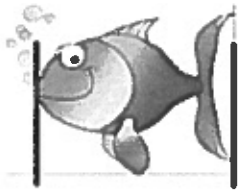


Name _____

Date _____

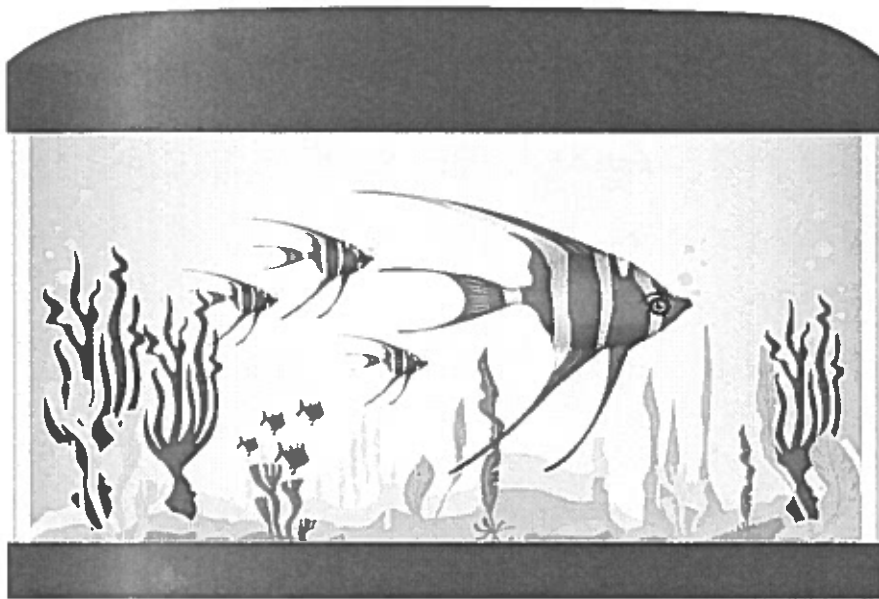
Measure the lengths of the objects with the centimeter ruler you made in class.

1. The picture of the fish is 3 cm long.



*This page is a little off, so round up.

2. The picture of the fish tank is _____ cm long.



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3. The picture of the fish tank is _____ cm longer than the picture of the fish.

3. List five things in your house that you would measure with a meter stick or meter tape.

- a. door
- b. table
- c. bed
- d. window
- e. television

* Pick things that are bigger than things you measure with a centimeter ruler.

Why would you want to measure those five items with a meter stick or meter tape instead of a centimeter ruler?

You would measure these with a meter stick
because a centimeter ruler is too small.

4. The distance from the cafeteria to the gym is 14 meters. The distance from the cafeteria to the playground is double that distance. How many times would you need to use a meter stick to measure the distance from the cafeteria to the playground?

Name _____

Date _____

1. Circle cm (centimeter) or m (meter) to show which unit you would use to measure the length of each object.

a. Length of a marker cm or mb. Length of a school bus cm or mc. Length of a laptop computer cm or md. Length of a highlighter marker cm or me. Length of a football field cm or mf. Length of a parking lot cm or mg. Length of a cell phone cm or mh. Length of a lamp cm or mi. Length of a supermarket cm or mj. Length of a playground cm or m

* Smaller things are measured by centimeters, bigger things are measured in meters.

2. Fill in the blanks with cm or m.

a. The length of a swimming pool is 25 _____.

b. The height of a house is 8 _____.

c. Karen is 6 _____ shorter than her sister.

d. Eric ran 65 _____ down the street.

e. The length of a pencil box is 3 _____ longer than a pencil.

Name _____

Date _____

1. Name five things in your home that you would measure in meters.
Estimate their length.

*Remember, the length from a doorknob to the floor is about 1 meter.

Item	Estimated Length
a.	
b.	
c.	
d.	
e.	

2. Choose the best length estimate for each object.

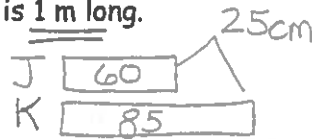
- a. Whiteboard 3 m or 45 cm
- b. Banana 14 cm or 30 cm
- c. DVD 25 cm or 17 cm
- d. Pen 16 cm or 1 m
- e. Swimming pool 50 m or 150 cm

*picture these things, choose which ruler you would use to measure. Think about which length make sense.

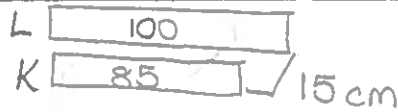
3. Line J is 60 cm long. Line K is 85 cm long. Line L is 1 m long.

*Notice that this is meters
↓

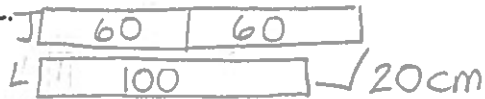
a. Line J is 25 cm shorter than line K.



b. Line L is 15 cm longer than line K.



c. Line J doubled is 20 cm more than line L.



d. Lines J, K, and L combined are 245 cm.



4. Katie measured the seat height of four different chairs in her house. Here are her results:

Loveseat height: 51 cm
Dining room chair height: 55 cm

Highchair height: 97 cm
Counter stool height: 65 cm

a. How much shorter is the dining room chair than the counter stool? _____ cm

b. How much taller is a meter stick than the counter stool? _____ cm

c. How much taller is a meter stick than the loveseat? _____ cm

5. Max ran 15 meters this morning. This afternoon, he ran 48 meters.

a. How many more meters did he run in the afternoon?

b. How many meters did Max run in all

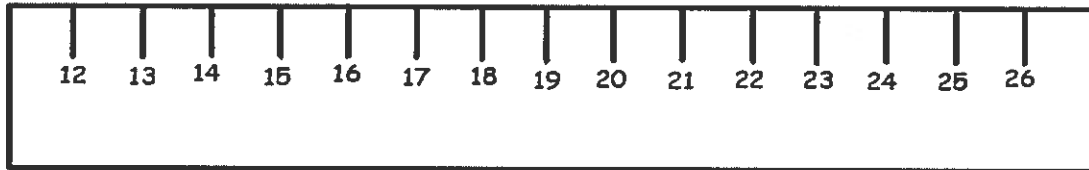
*
1 m = 100 cm
There are
100 cm in
one meter

cat

Name _____

Date _____

1.



16 — 26

a. Line C is 10 cm.



$$10 + 7 = 17$$

12 — 19

b. Line D is 7 cm.

$$\begin{array}{r} 10 + 5 = 15 \\ 15 + 2 = 17 \end{array}$$

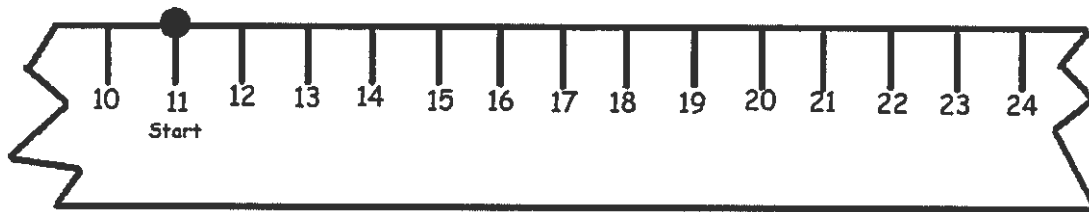
*tape diagrams will help get the answer

c. Lines C and D are 17 cm.

d. Line C is 3 cm (longer/shorter) than Line D.



2. An ant walked 12 centimeters to the right on the ruler and then turned around and walked 5 centimeters to the left. His starting point is marked on the ruler. Where is the ant now? Show your work on the broken ruler.



AN

Name _____ Date _____

1. Mia completed the chart by first estimating the measurement around three objects in her house and then finding the actual measurement with her meter strip.

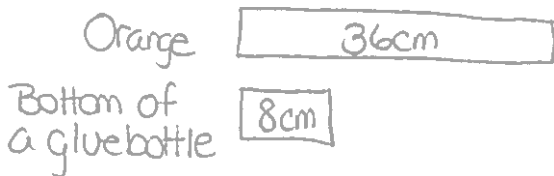
Object Name	Estimated Measurement in Centimeters	Actual Measurement in Centimeters
Orange	40 cm	36 cm
Mini Basketball	40cm 30 cm	41 cm
Bottom of a glue bottle	10 cm	8 cm

* estimation is wrong for the basketball

- a. What is the difference between the longest and shortest measurements?

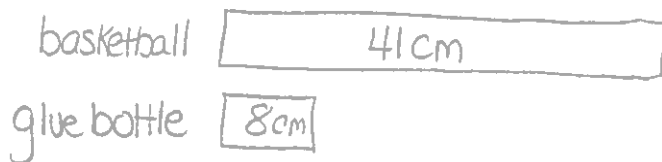
33 cm Basketball 41cm $41 - 8 = 33$
 gluebottle 8cm $40 \hat{=} 1$

- b. Draw a tape diagram comparing the measurements of the orange and the bottom of the glue bottle.



* Make sure the smaller number has a smaller box

- c. Draw a tape diagram comparing the measurements of the basketball and the bottom of the glue bottle.



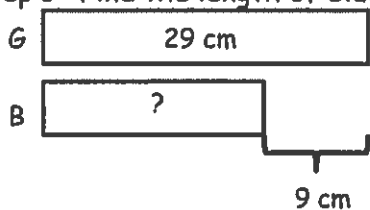
Name _____

Date _____

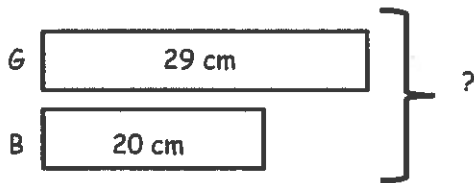
Use the RDW process to solve. Draw a tape diagram for each step. Problem 1 has been started for you.

- There is 29 cm of green ribbon. A blue ribbon is 9 cm shorter than the green ribbon. How long is the blue ribbon?

Step 1: Find the length of blue ribbon.

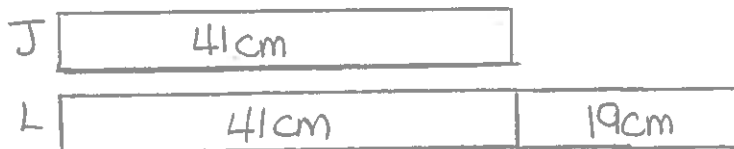


Step 2: Find the length of both the blue and green ribbons.



- Joanna and Lisa drew lines. Joanna's line is 41 cm long. Lisa's line is 19 cm longer than Joanna's. How long are Joanna's and Lisa's lines?

Step 1: Find the length of Lisa's line.



$$41\text{cm} + 19\text{cm} = 60\text{cm}$$

Step 2: Find the total length of their lines.

$$41\text{cm} + 19\text{cm} = 60\text{cm}$$

$\begin{matrix} \swarrow & \searrow & \swarrow & \searrow \\ 40 & 1 & 10 & 9 \end{matrix}$

The total length is 60cm

* Make sure your tape diagram has labels for the lengths.