A

Number correct: ☐

Name _____ Date _____

*Write the missing number.

1	3 - 3 = ☐		16	13 - 1 = ☐	
2	13 - 3 = ☐		17	13 - 2 = ☐	
3	3 - 2 = ☐		18	14 - 3 = ☐	
4	13 - 2 = ☐		19	14 - 4 = ☐	
5	4 - 2 = ☐		20	14 - 10 = ☐	
6	14 - 2 = ☐		21	17 - 5 = ☐	
7	4 - 3 = ☐		22	17 - 6 = ☐	
8	14 - 3 = ☐		23	17 - 10 = ☐	
9	14 - 10 = ☐		24	8 - ☐ = 5	
10	7 - 6 = ☐		25	18 - ☐ = 15	
11	17 - 6 = ☐		26	18 - ☐ = 13	
12	17 - 10 = ☐		27	19 - ☐ = 12	
13	6 - 3 = ☐		28	☐ - 2 = 17	
14	16 - 3 = ☐		29	17 - 3 = 16 - ☐	
15	16 - 10 = ☐		30	19 - 6 = ☐ - 5	

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B

Number correct: ☐

Name _____ Date _____

*Write the missing number.

1	2 - 2 = ☐		16	14 - 1 = ☐	
2	12 - 2 = ☐		17	14 - 2 = ☐	
3	2 - 1 = ☐		18	15 - 3 = ☐	
4	12 - 1 = ☐		19	15 - 4 = ☐	
5	3 - 3 = ☐		20	15 - 10 = ☐	
6	13 - 3 = ☐		21	18 - 5 = ☐	
7	3 - 2 = ☐		22	18 - 6 = ☐	
8	13 - 2 = ☐		23	18 - 10 = ☐	
9	13 - 10 = ☐		24	7 - ☐ = 5	
10	6 - 5 = ☐		25	17 - ☐ = 15	
11	16 - 5 = ☐		26	17 - ☐ = 13	
12	16 - 10 = ☐		27	19 - ☐ = 13	
13	4 - 2 = ☐		28	☐ - 3 = 16	
14	14 - 2 = ☐		29	17 - 4 = 16 - ☐	
15	14 - 10 = ☐		30	19 - 7 = ☐ - 6	

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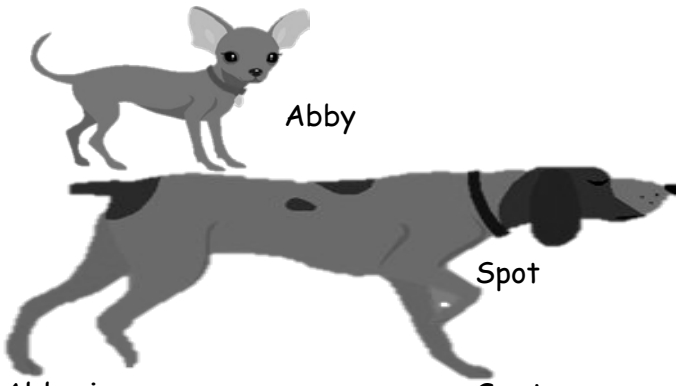
Name _____ Date _____

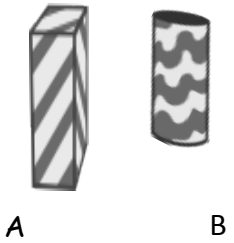
Write the words **longer than** or **shorter than** to make the sentences true.

1.



Abby is _____ Spot.

2.



B is _____A.

3.

The American flag hat

is _____

the chef hat.

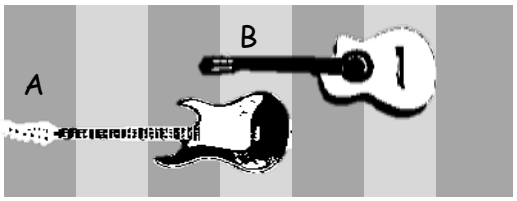
4.

The darker bat's wing span

is _____

the lighter bat's wing span.

5.



Guitar B is

_____

Guitar A.

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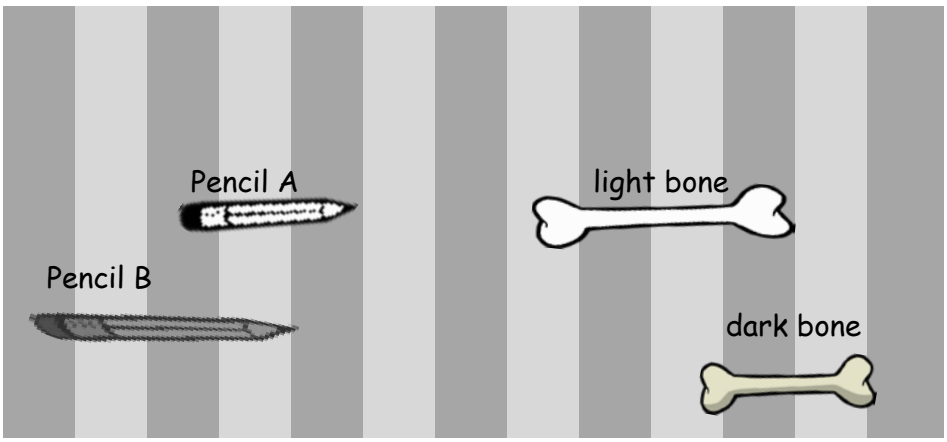

6. Pencil B is _____ Pencil A.

7. The dark bone is _____ the light bone.

8. Circle true or false.

   The light bone is shorter than Pencil A. **True** or **False**

---

9. Find 3 school supplies. Draw them here in order from **shortest** to **longest**. Label each school supply.

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Name _____ Date _____

1. Fill in the blanks.

A 

B 

C 

Put the shoes in order from shortest to longest:

_____

_____

_____

Shoe _____ is the longest.

Shoe _____ is the shortest.

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Name _____ Date _____

Follow the directions. Complete the sentences.

1. Circle the **longer** rabbit.

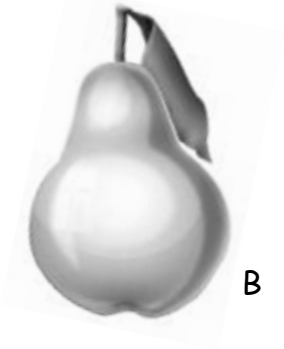
Peter

Floppy

_____ is longer than _____.

2. Circle the **shorter** fruit.

A

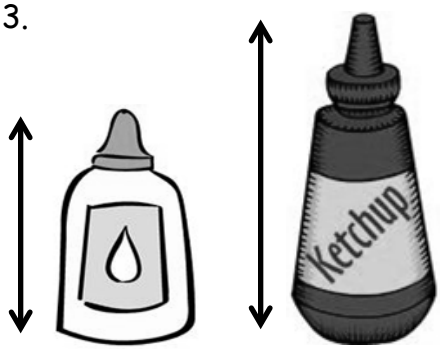


B

___ is shorter than ___.

Write the words **longer than** or **shorter than** to make the sentence true.

3.

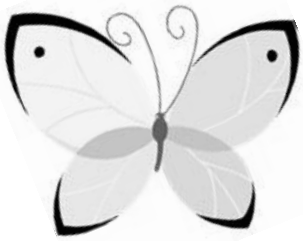


The glue

is _____

the ketchup.

4.



The dragonfly's wing span

is _____

the butterfly's wing span.

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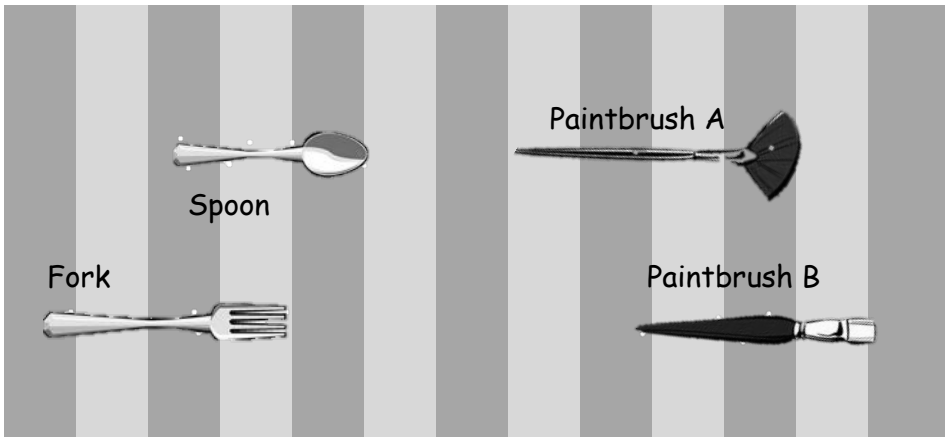

5. Paintbrush A is _____ Paintbrush B.

6. The spoon is _____ the fork.

7. Circle true or false.

   The spoon is shorter than Paintbrush B. **True** or **False**

8. Find 3 objects in your room. Draw them here in order from shortest to longest. Label each object.

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The _____ is longer than the _____.

The _____ is shorter than the _____.

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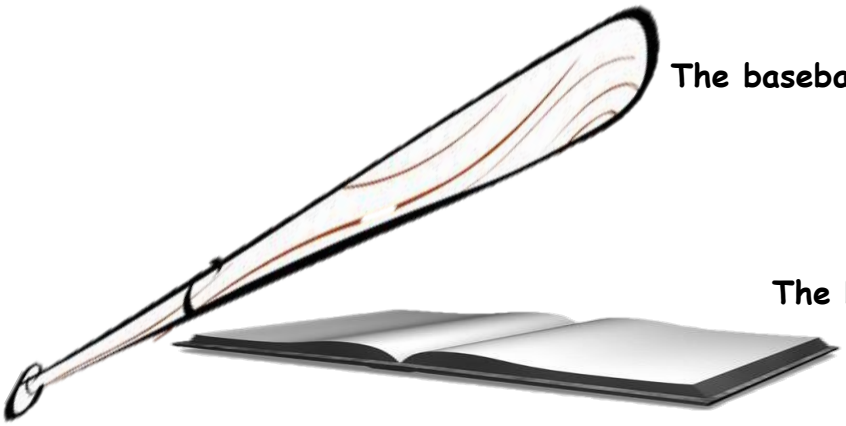
Name _____ Date _____

1. Use the paper strip provided by your teacher to measure each **picture**. Circle the words you need to make the sentence true.



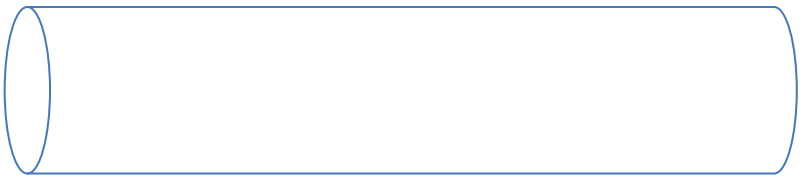
The baseball bat is longer than / shorter than / the same length as **the paper strip.**

The book is longer than / shorter than / the same length as **the paper strip.**

The **baseball bat** is _____ than the **book.**

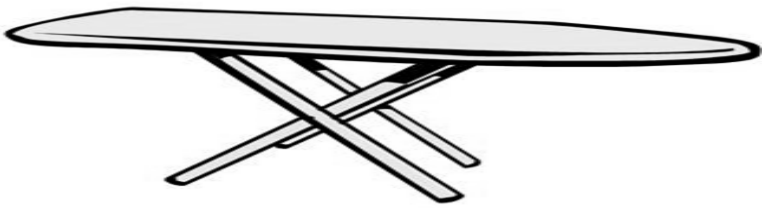
2. Complete the sentences with **longer than**, **shorter than**, or **same length as** to make the sentences true.

a.



The **tube** is _____ the **cup**.

b.



The **iron** is _____ the **ironing board**.

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Use the measurements from the first page. Circle the word that would make the sentences true.

3. The baseball bat is (**longer/shorter**) than the cup.

4. The cup is (**longer/shorter**) than the ironing board.

5. The ironing board is (**longer/shorter**) than the book.

6. Order these objects from shortest to longest:

   the cup, the tube, and the paper strip.

_____ _____ _____

Draw a picture to help you solve the measurement questions. Circle the word that would make the sentences true.

7. Sammy is taller than Dion.
   Janell is taller than Sammy.
   Dion is (**taller than/shorter than**) Janell.

8. Laura's necklace is longer than Mihal's necklace.
   Laura's necklace is shorter than Sarai's necklace.
   Sarai's necklace is (**longer than/shorter than**) Mihal's necklace.

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Name _____ Date _____

1. Draw a picture to help you solve the measurement questions. Circle the word that would make the sentences true.

   Tanya's doll is shorter than Aline's doll.

   Mira's doll is taller than Aline's doll.

   Tanya's doll is (**taller than/shorter than**) Mira's doll.

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Name _____ Date _____

Use your paper strip to measure each picture. Circle the words you need to make the sentence true.

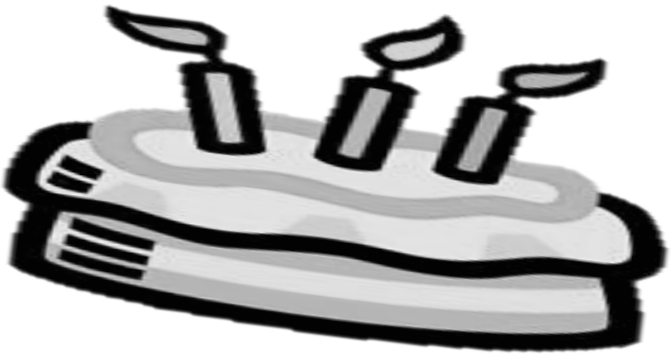
1.

The sundae is longer than / shorter than / the same length as **the paper.**

The spoon is longer than / shorter than / the same length as **the paper.**

The **spoon** is _____ than the **sundae**.

2.



The **balloon** is _____ than the **cake**.

3.

The **ball** is shorter than the paper.

So, the **shoe** is _____ the **ball**.

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Use the measurements from the first page. Circle the word that would make the sentences true.

4. The spoon is (**longer/shorter**) than the cake.

5. The balloon is (**longer/shorter**) than the sundae.

6. The shoe is (**longer/shorter**) than the balloon.

7. Order these objects from shortest to longest:

   the cake, the spoon, and the paper.

_____ _____ _____

Draw a picture to help you solve the measurement questions. Circle the word that would make the sentences true.

8. Marni's hair is shorter than Wesley's hair.

   Marni's hair is longer than Bita's hair.

   Bita's hair is (**longer/shorter**) than Wesley's hair.

9. Elliott is shorter than Brady.

   Sinclair is shorter than Elliott.

   Brady is (**longer/shorter**) than Sinclair.

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Copy double-sided.

1 0	2 0
3 0	4 0

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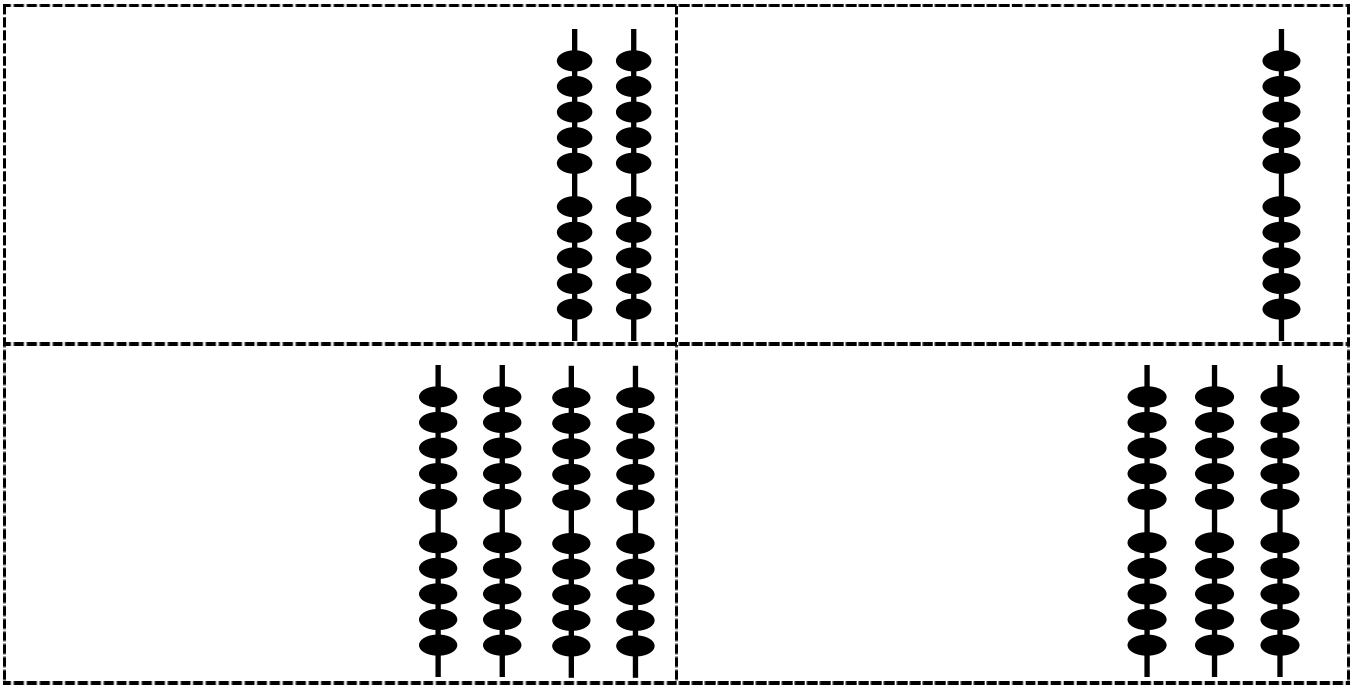
5 groups



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If _____ is longer than
(classroom object)
my foot and

_____ is shorter than my
(classroom object)
foot, then

_____ is longer than
(classroom object)

_____.
(classroom object)

My foot is about the same
length as _____.
(classroom object)

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A

Number correct: ☐

Name _____ Date _____

*Write the missing number. Pay attention to the + and – signs.

1	5 + 2 = ☐		16	13 + 6 = ☐	
2	15 + 2 = ☐		17	3 + 16 = ☐	
3	2 + 5 = ☐		18	19 - 2 = ☐	
4	12 + 5 = ☐		19	19 - 7 = ☐	
5	7 - 2 = ☐		20	4 + 15 = ☐	
6	17 - 2 = ☐		21	14 + 5 = ☐	
7	7 - 5 = ☐		22	18 - 6 = ☐	
8	17 - 5 = ☐		23	18 - 2 = ☐	
9	4 + 3 = ☐		24	13 + ☐ = 19	
10	14 + 3 = ☐		25	☐ - 6 = 13	
11	3 + 4 = ☐		26	14 + ☐ = 19	
12	13 + 4 = ☐		27	☐ - 4 = 15	
13	7 - 4 = ☐		28	☐ - 5 = 14	
14	17 - 4 = ☐		29	13 + 4 = 19 - ☐	
15	17 - 3 = ☐		30	18 – 6 = ☐ + 3	

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B

Number correct: ☐

Name _____ Date _____

*Write the missing number. Pay attention to the + and – signs.

1	5 + 1 = ☐		16	12 + 7 = ☐	
2	15 + 1 = ☐		17	2 + 17 = ☐	
3	1 + 5 = ☐		18	18 - 2 = ☐	
4	11 + 5 = ☐		19	18 - 6 = ☐	
5	6 - 1 = ☐		20	3 + 16 = ☐	
6	16 - 1 = ☐		21	13 + 6 = ☐	
7	6 - 5 = ☐		22	17 - 4 = ☐	
8	16 - 5 = ☐		23	17 - 3 = ☐	
9	4 + 5 = ☐		24	12 + ☐ = 18	
10	14 + 5 = ☐		25	☐ - 6 = 12	
11	5 + 4 = ☐		26	13 + ☐ = 19	
12	15 + 4 = ☐		27	☐ - 3 = 16	
13	9 - 4 = ☐		28	☐ - 3 = 17	
14	19 - 4 = ☐		29	11 + 6 = 19 - ☐	
15	19 - 5 = ☐		30	19 – 5 = ☐ + 3	

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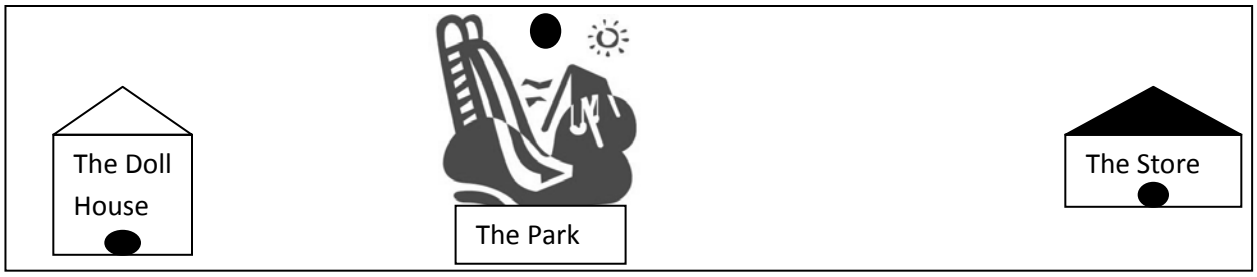
Name _____ Date _____

1. In a playroom, LuLu cut a piece of string that measured the distance from the doll house to the park. She took the same string and tried to measure the distance between the park and the store, but she ran out of string!

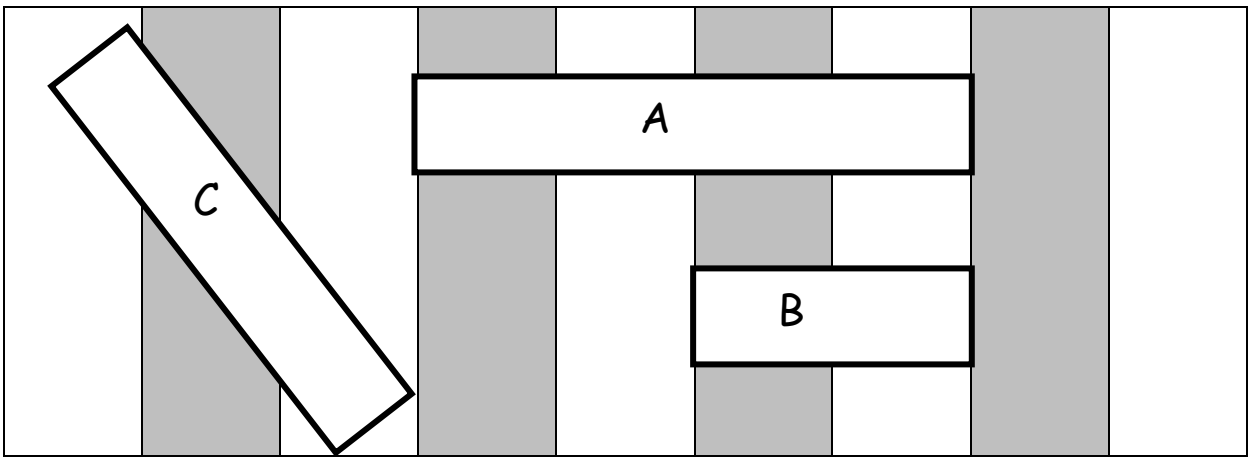
   Which is the longer path? Circle your answer.

   the doll house to the park

   the park to the store



Use the picture to answer the questions about the rectangles.



1. Which is the shortest rectangle? _____

2. If Rectangle A is longer than Rectangle C, the longest rectangle is

   _____.

3. Order the rectangles from shortest to longest:

   _____ _____ _____

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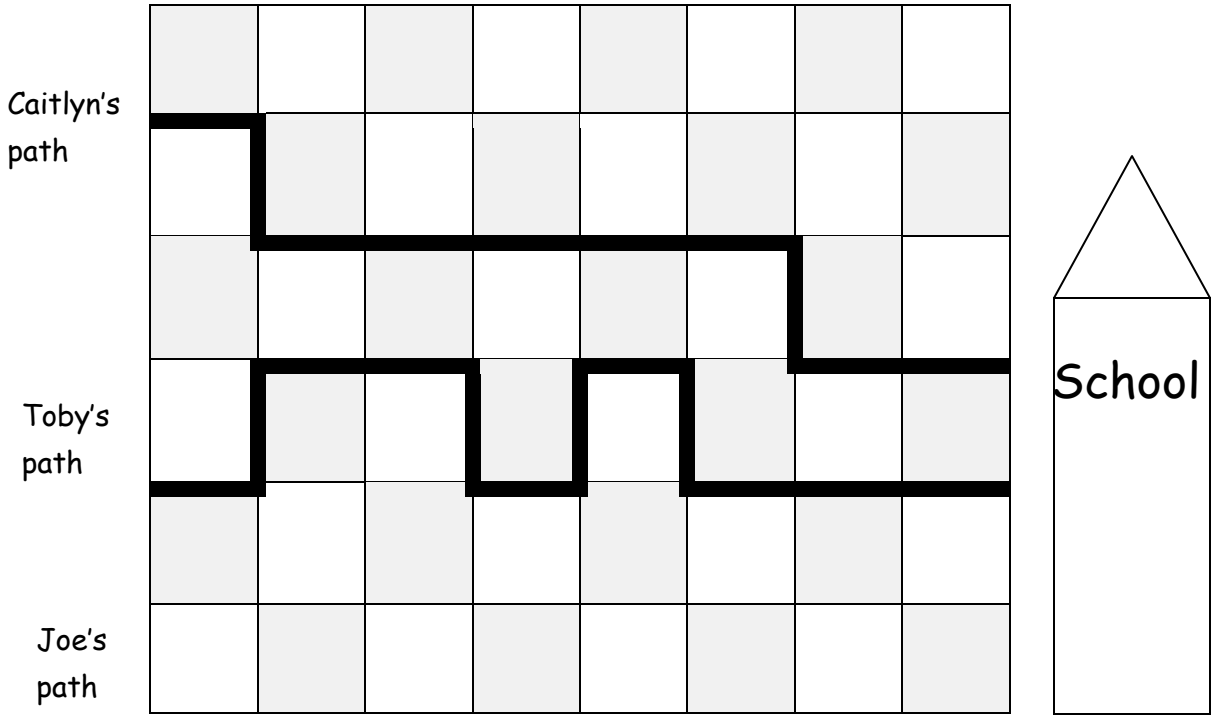
Use the picture to answer the questions about the students' paths to school.



1. How long is Caitlyn's path to school? _____ blocks

2. How long is Toby's path to school? _____ blocks

3. Joe's path is shorter than Caitlyn's. Draw Joe's path.

   Circle the correct word to make the statement true.

4. Toby's path is **longer/shorter** than Joe's path.

5. Who took the shortest path to school? _____

6. Order the paths from shortest to longest:

_____ _____ _____

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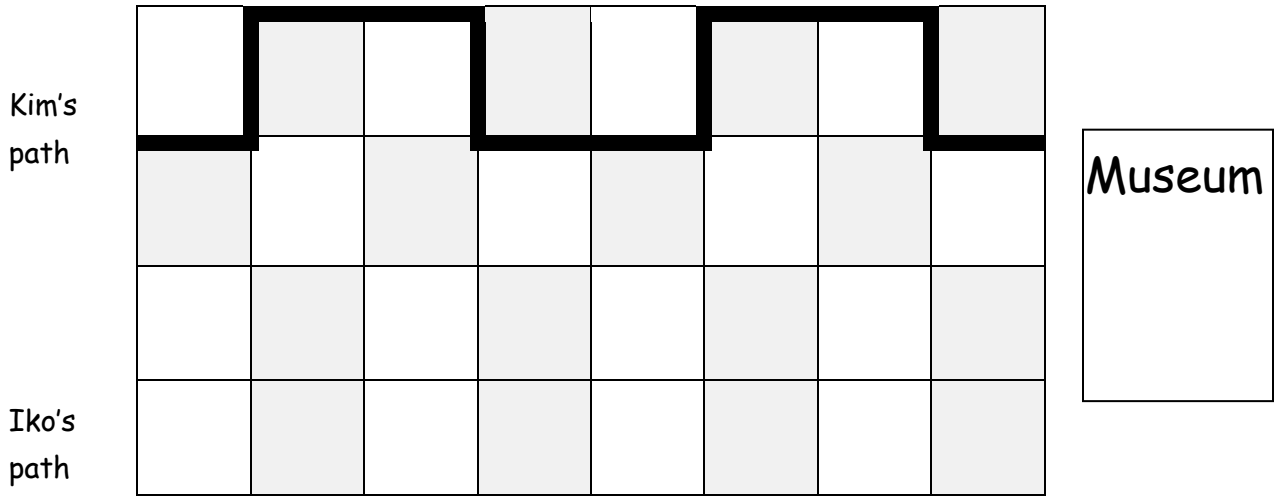
Name _____ Date _____

Use the picture to answer the questions about the students' paths to the museum.



1. How long is Kim's path to the museum? _____blocks

2. Iko's path is shorter than Kim's path. Draw Iko's path.

Circle the correct word to make the statement true.

3. Kim's path is **longer/shorter** than Iko's path.

   How long is Iko's path?

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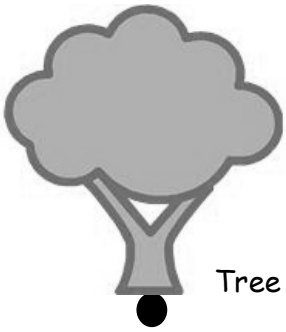
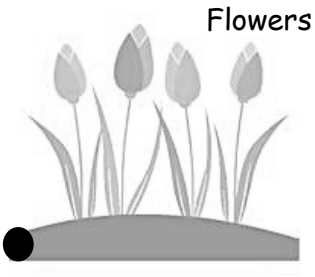
Name _____ Date _____

1. The string that measures the path from the garden to the tree is longer than the path between the tree and the flowers. Circle the shorter path.

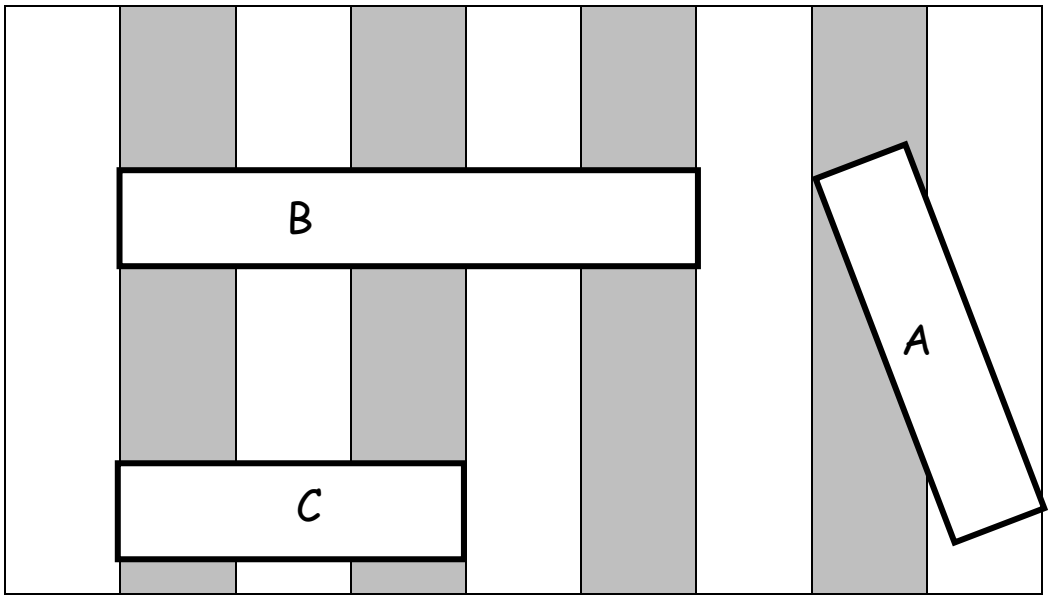
the path between the garden and the tree

the path between the tree and the flowers





Use the picture to answer the questions about the rectangles.



2. Which is the longest rectangle? _____

3. If Rectangle A is longer than Rectangle C, the shortest rectangle is

_____.

4. Order the rectangles from shortest to longest:

_____ _____ _____

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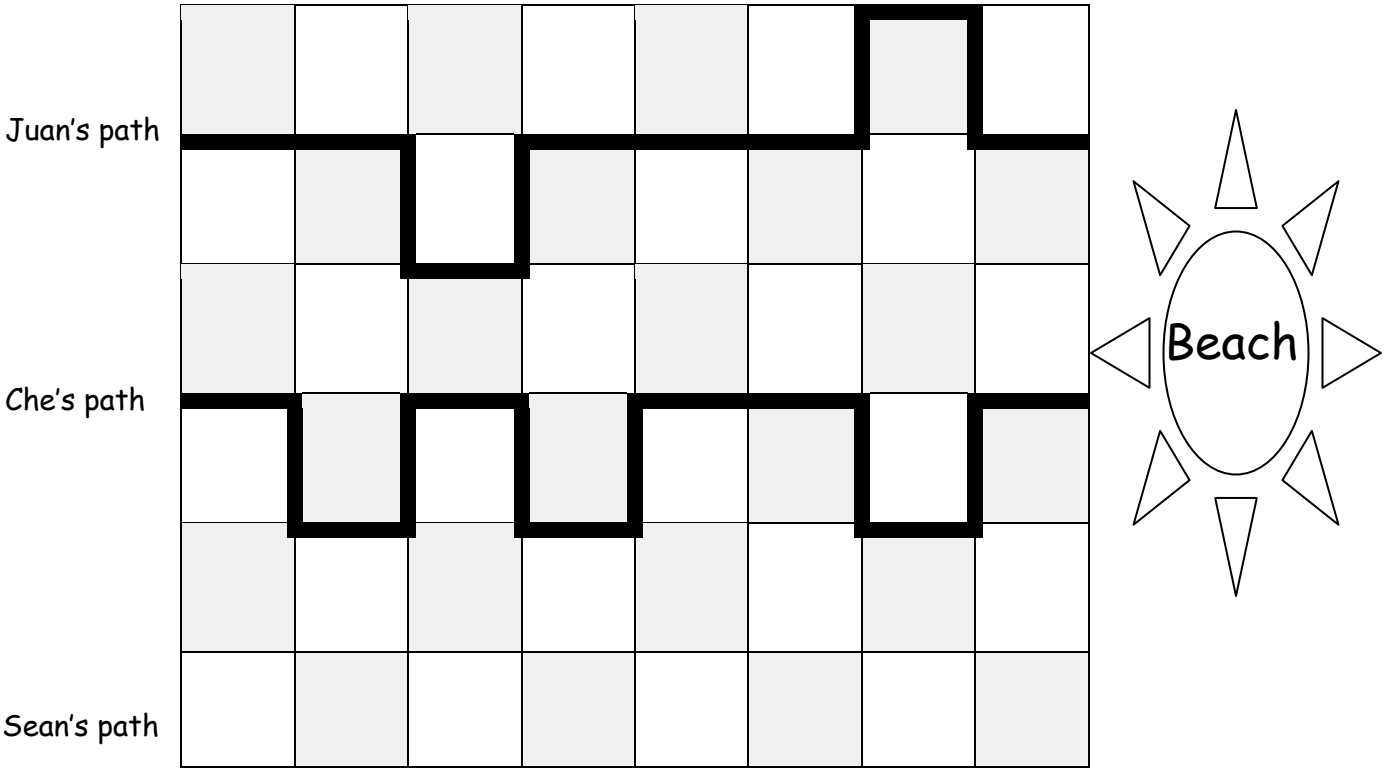
Use the picture to answer the questions about the children's paths to the beach.



5. How long is Juan's path to the beach? _____ blocks

6. How long is Che's path to the beach? _____ blocks

7. Juan's path is longer than Sean's path. Draw Sean's path.

Circle the correct word to make the statement true.

8. Che's path is **longer/shorter** Sean's path.

9. Who took the shortest path to the beach? _____

10. Order the paths from shortest to longest:

_____ _____ _____

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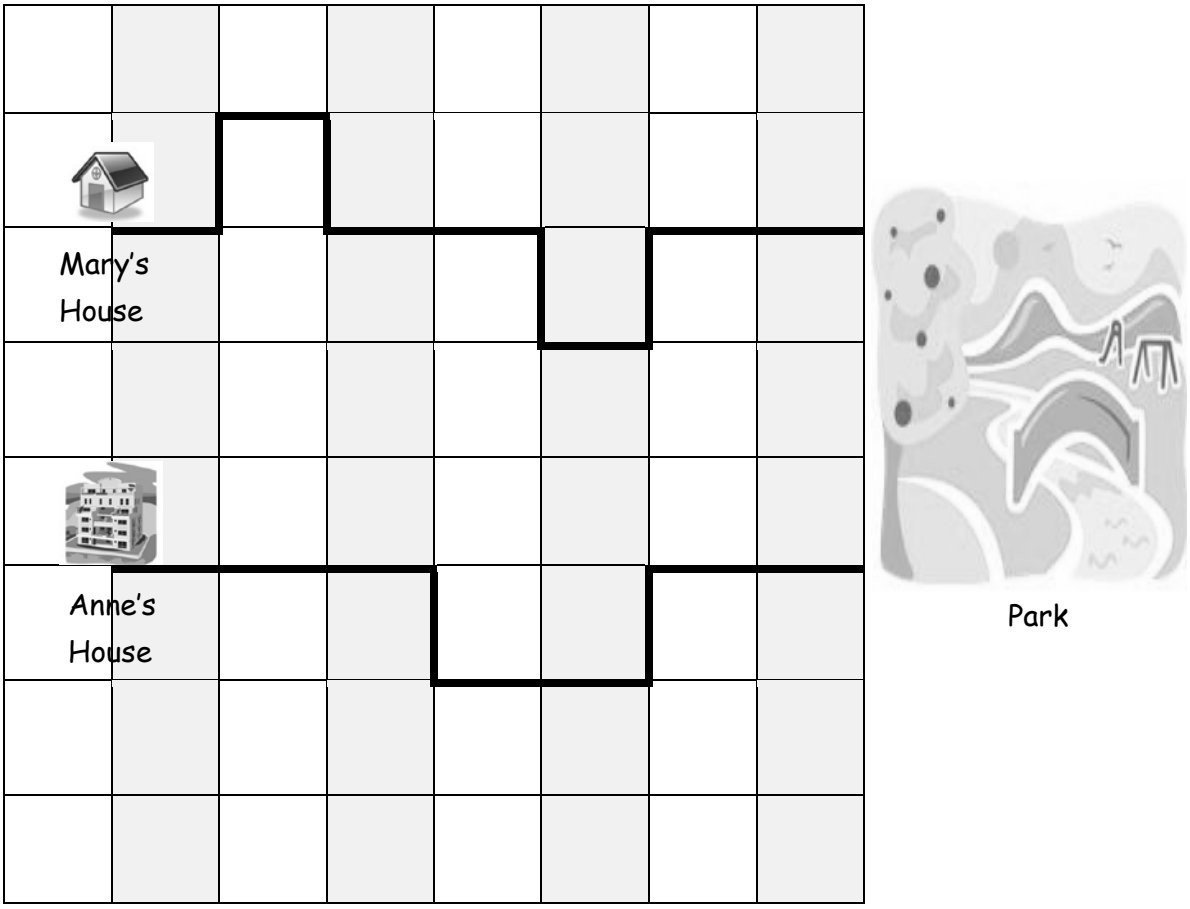
City Blocks Grid



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Name _____ Date _____

Classroom Object	Length Using Centimeter Cubes
glue stick 	_____ centimeter cubes long
dry erase marker 	_____ centimeter cubes long
popsicle stick 	_____ centimeter cubes long
paper clip 	_____ centimeter cubes long
	_____ centimeter cubes long
	_____ centimeter cubes long
	_____ centimeter cubes long

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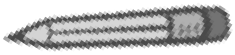
Name _____ Date _____

Measure the length of each object's picture with your cubes. Complete the statements below.

1. The pencil is _____ centimeter cubes long.



2. The pan is _____ centimeter cubes long.

3. The shoe is _____ centimeter cubes long.

4. The bottle is _____ centimeter cubes long.

5. The paintbrush is _____ centimeter cubes long.

6. The bag is _____ centimeter cubes long.

7. The ant is _____ centimeter cubes long.

8. The cupcake is _____ centimeter cubes long.

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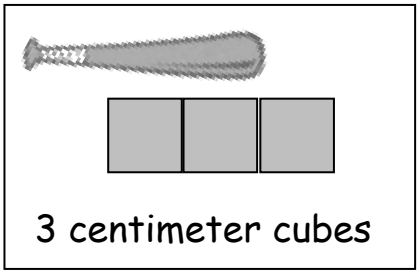
9. 

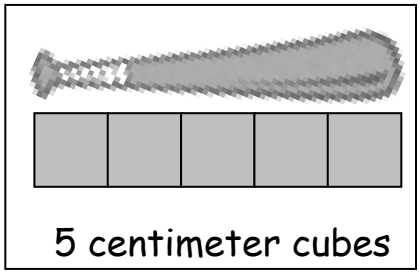
The cow sticker is _____ centimeter cubes long.

10. 

The vase is _____ centimeter cubes long.

11. Circle the picture that shows the correct way to measure.





How would you fix the picture that shows an incorrect measurement?

_____

_____

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Name _____ Date _____

1.

The picture frame is about _____ centimeter cubes long.

2.

The boy's *crutch* is about _____ centimeter cubes long.

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Name _____ Date _____

Measure the length of each object's picture with your cubes.

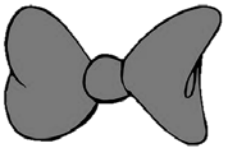
Complete the statements below.

1. The lollipop is _____ centimeter cubes long.

2. The stamp is _____ centimeter cubes long.

3. The purse is _____ centimeter cubes long.

4. The candle is _____ centimeter cubes long.



5. The bow is _____ centimeter cubes long.

6. The cookie is _____ centimeter cubes long.

7. The mug is _____ centimeter cubes long.

8. The ketchup is about _____ centimeter cubes long.

9. The envelope is about _____ centimeter cubes long.

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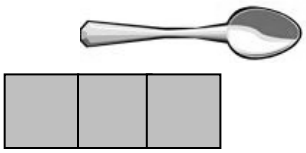
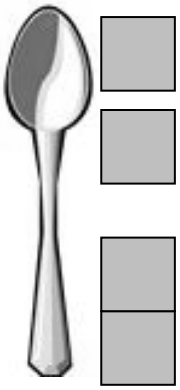
10. Circle the picture that shows the correct way to measure.

A



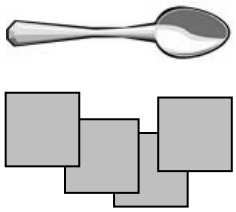
3 centimeter cubes

B



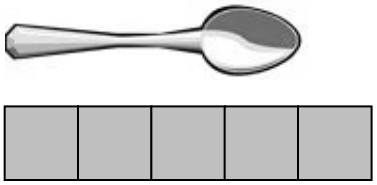
4 centimeter cubes

C



4 centimeter cubes

D



4 centimeter cubes

Explain what is wrong with the measurements for the pictures you did NOT circle.

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A

Number correct: ____

Name _____ Date _____

*Write the missing number.

1	17 - 1 = ☐		16	19 - 9 = ☐	
2	15 - 1 = ☐		17	18 - 9 = ☐	
3	19 - 1 = ☐		18	11 - 9 = ☐	
4	15 - 2 = ☐		19	16 - 5 = ☐	
5	17 - 2 = ☐		20	15 - 5 = ☐	
6	18 - 2 = ☐		21	14 - 5 = ☐	
7	18 - 3 = ☐		22	12 - 5 = ☐	
8	18 - 5 = ☐		23	12 - 6 = ☐	
9	17 - 5 = ☐		24	14 - ☐ = 11	
10	19 - 5 = ☐		25	14 - ☐ = 10	
11	17 - 7 = ☐		26	14 - ☐ = 9	
12	18 - 7 = ☐		27	15 - ☐ = 9	
13	19 - 7 = ☐		28	☐ - 7 = 9	
14	19 - 2 = ☐		29	19 - 5 = 16 - ☐	
15	19 - 7 = ☐		30	15 - 8 = ☐ - 9	

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B

Number correct:

Name _____ Date _____

*Write the missing number.

1	16 - 1 = □		16	19 - 9 = □	
2	14 - 1 = □		17	18 - 9 = □	
3	18 - 1 = □		18	12 - 9 = □	
4	19 - 2 = □		19	19 - 8 = □	
5	17 - 2 = □		20	18 - 8 = □	
6	15 - 2 = □		21	17 - 8 = □	
7	15 - 3 = □		22	14 - 5 = □	
8	17 - 5 = □		23	13 - 5 = □	
9	19 - 5 = □		24	12 - □ = 7	
10	16 - 5 = □		25	16 - □ = 10	
11	16 - 6 = □		26	16 - □ = 9	
12	19 - 6 = □		27	17 - □ = 9	
13	17 - 6 = □		28	□ - 7 = 9	
14	17 - 1 = □		29	19 – 4 = 17 - □	
15	17 - 6 = □		30	16 – 8 = □ - 9	

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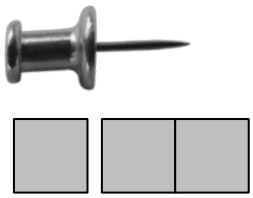
Name _____ Date _____

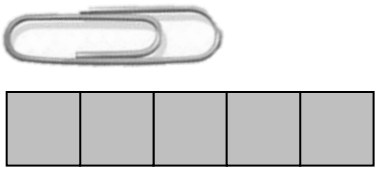
1. Circle the objects that are measured correctly.

A



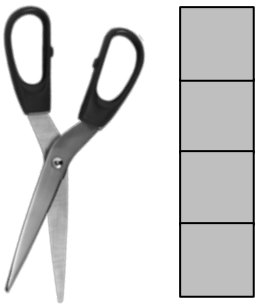
3 centimeters long

B



5 centimeters long

C



4 centimeters long

2. Measure the paperclip (B) with your cubes.

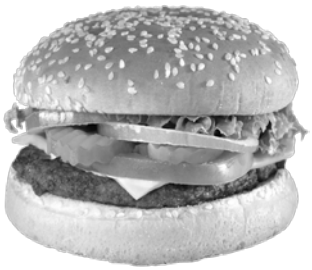
The paperclip is _____ centimeter cubes long.

Check your cubes along your ruler. How long is the paperclip in centimeters?

The paperclip is _____ centimeters long.

Be ready to explain why these are the same or different during the Debrief!

Use centimeter cubes to measure the pictures from left to right.
Write a statement about the length of each picture in centimeters.



3. The hamburger picture is _____ centimeters long.

4. The hotdog picture is _____ centimeters long.

5. The bread picture is _____ centimeters long.

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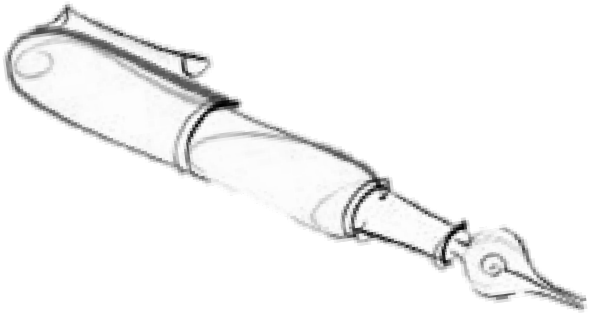
Use centimeter cubes to measure the objects below. Fill in the length of each object.

The eraser is about _____ centimeters long.

The hair clip is about _____ centimeters long.

The key is about _____ centimeters long.

The marker is about _____ centimeters long.



The pen is about _____ centimeters long.

6. The eraser is longer than the _____ but it is shorter than the _____.

Circle the word that makes the second sentence true.

7. If a paper clip is shorter than the key, then the marker is **longer/shorter** than the paper clip.

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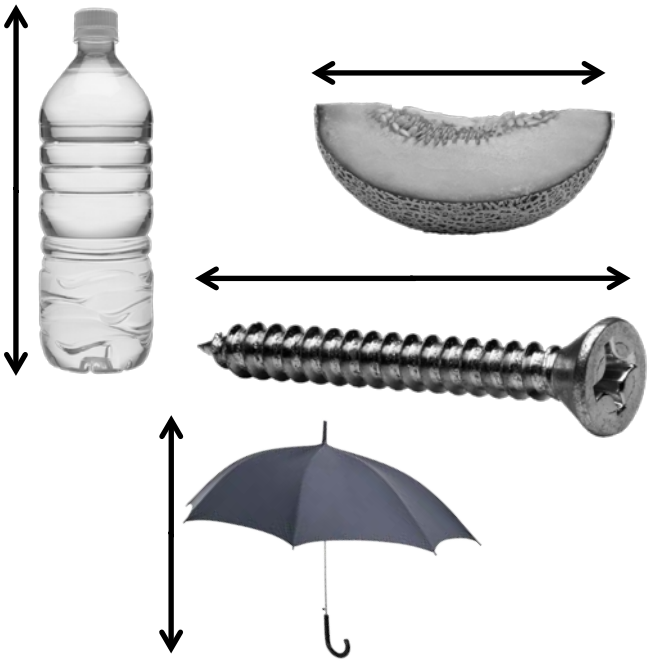
Name _____ Date _____

Use the centimeter cubes to measure the items and complete the sentences.



1. The water bottle is about _____ centimeters tall.

2. The melon is about _____ centimeters long.

3. The screw is about _____ centimeters long.

4. The umbrella is about _____ centimeters tall.

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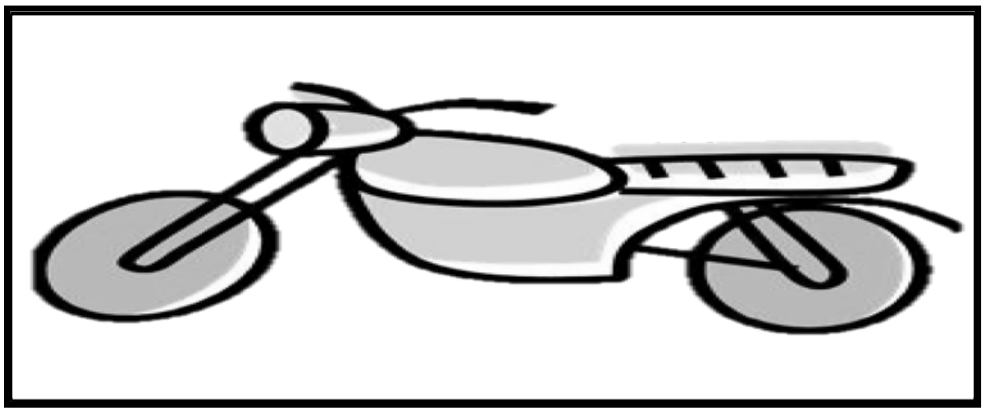
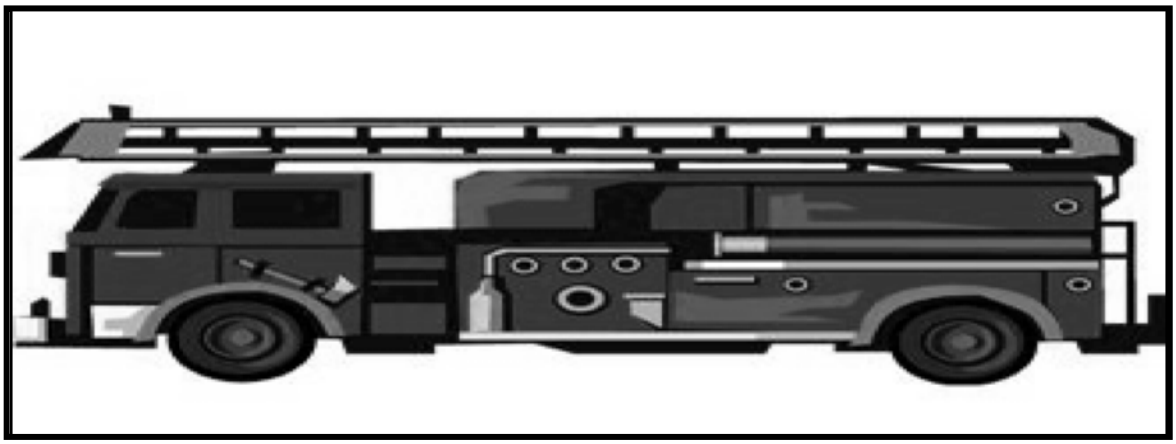
Name _____ Date _____

Justin collects transportation stickers. Use the centimeter cubes from your teacher to measure Justin's stickers. Complete the sentences about Justin's stickers.

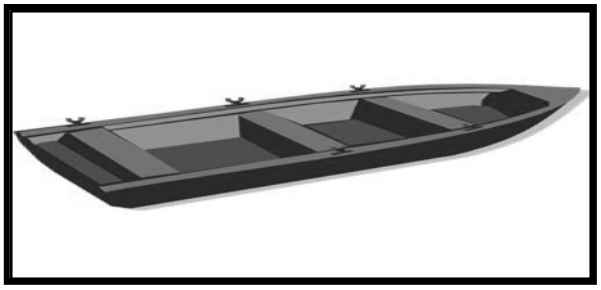


The motorcycle sticker is _____ centimeters long.

The car sticker is _____ centimeters long.



The fire truck sticker is _____ centimeters long.



The row boat sticker is _____ centimeters long.

The airplane sticker is _____ centimeters long.

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Use the stickers' measurements to list the stickers of the row boat, the airplane, and the fire truck from longest to shortest. You can use drawings or names to list the stickers.

Longest → Shortest

Fill in the blanks to make the statements true. There may be more than one correct answer.

1. The airplane sticker is longer than the _____ sticker.

2. The row boat sticker is longer than the _____ sticker and shorter than the _____ sticker.

3. The motorcycle sticker is shorter than the _____ sticker and longer than the _____ sticker.

4. If Justin gets a new sticker that is longer than the row boat, it will also be longer than which of his other stickers? _____

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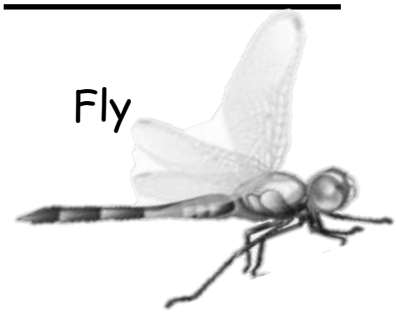
Name _____ Date _____

1. Order the bugs from longest to shortest by writing the animal names on the lines. Use centimeter cubes to check your answer. Write the length of each bug in the space below the pictures.

   The bugs from longest to shortest are

_____ _____ _____

Fly



Caterpillar

Bee

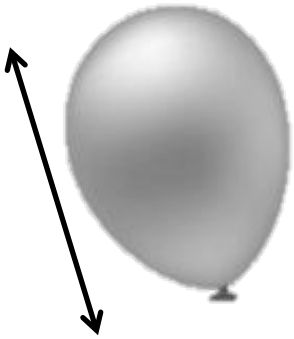
____ centimeters ____ centimeters ____ centimeters

2. Order the objects below from shortest (1) to longest (3) by writing the number next to the object name. Use your centimeter cubes to check your answer and complete the sentences.

The noise maker: ___

The balloon: ___

The present: ___



The present is about _____ centimeters long.

The noise maker is about _____ centimeters long.

The balloon is about _____ centimeters long.

The noise maker is about ___ centimeters longer than the present.

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Use your centimeter cubes to model each length and answer the question. Write a statement for your answer.

3. Peter's toy T-rex is 11 centimeters tall, and his toy velociraptor is 6 centimeters tall. How much taller is the T-rex than the velociraptor?

4. Miguel's pencil rolled 17 centimeters and Sonya's pencil rolled 9 centimeters. How much less did Sonya's pencil roll than Miguel's?

5. Tania makes a cube tower that is 3 centimeters taller than Vince's tower. If Vince's tower is 9 centimeters tall, how tall is Tania's tower?

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Name _____ Date _____

Read the measurements of the tool pictures.

The wrench is 8 centimeters long.

The screwdriver is 12 centimeters long.

The hammer is 9 centimeters long.

Order the pictures of the tools from shortest to longest.

_____ _____ _____

Diana bought her dad a new tool that was 6 centimeters longer than the screwdriver. Use your centimeter cubes to find out how long the new tool is. Draw a picture and complete the statement.

The new tool is _____ centimeters long.

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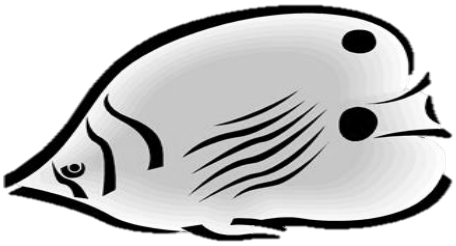
Name _____ Date _____

Natasha's teacher wants her to put the fish in order from longest to shortest. Measure each fish with the centimeter cubes that your teacher gave you. Then, use the letters to put the fish in order from longest to shortest.

A



_____ centimeters.

B

_____ centimeters.

C

_____ centimeters.

D

_____ centimeters

E

_____ centimeters.

Order Fish A, B, and C from longest to shortest.

_____ _____ _____

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Use the fish measurements to complete the sentences.

Fish A is longer than Fish _____ and shorter than Fish _____.

Fish C is shorter than Fish_____ and longer than Fish _____.

Fish _____ is the shortest fish.

If Natasha gets a new fish that is shorter than Fish A, list the fish that the new fish is also shorter than.

Use your centimeter cubes to model each length and answer the question.

1. Henry gets a new pencil that is 19 centimeters long. He sharpens the pencil several times. If the pencil is now 9 centimeters long, how much shorter is the pencil now than when it was new?

2. Malik and Jared threw baseballs at the park. Malik threw his baseball 6 centimeters less than Jared threw his baseball. If Jared threw his baseball 17 centimeters, how far did Malik throw his baseball?

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A

Number correct: _____

Name _____ Date _____

*Write the missing number.

1	17 + 1 = □		16	11 + 9 = □	
2	15 + 1 = □		17	10 + 9 = □	
3	18 + 1 = □		18	9 + 9 = □	
4	15 + 2 = □		19	7 + 9 = □	
5	17 + 2 = □		20	8 + 8 = □	
6	18 + 2 = □		21	7 + 8 = □	
7	15 + 3 = □		22	8 + 5 = □	
8	5 + 13 = □		23	11 + 8 = □	
9	15 + 2 = □		24	12 + □ = 17	
10	5 + 12 = □		25	14 + □ = 17	
11	12 + 4 = □		26	8 + □ = 17	
12	13 + 4 = □		27	□ + 7 = 16	
13	3 + 14 = □		28	□ + 7 = 15	
14	17 + 2 = □		29	9 + 5 = 10 + □	
15	12 + 7 = □		30	7 + 8 = □ + 9	

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B

Number correct: _____

Name _____ Date _____

*Write the missing number.

1	14 + 1 = ☐		16	11 + 9 = ☐	
2	16 + 1 = ☐		17	10 + 9 = ☐	
3	17 + 1 = ☐		18	8 + 9 = ☐	
4	11 + 2 = ☐		19	9 + 9 = ☐	
5	15 + 2 = ☐		20	9 + 8 = ☐	
6	17 + 2 = ☐		21	8 + 8 = ☐	
7	15 + 4 = ☐		22	8 + 5 = ☐	
8	4 + 15 = ☐		23	11 + 7 = ☐	
9	15 + 3 = ☐		24	12 + ☐ = 18	
10	5 + 13 = ☐		25	14 + ☐ = 18	
11	13 + 4 = ☐		26	8 + ☐ = 18	
12	14 + 4 = ☐		27	☐ + 5 = 14	
13	4 + 14 = ☐		28	☐ + 6 = 15	
14	16 + 3 = ☐		29	9 + 6 = 10 + ☐	
15	13 + 6 = ☐		30	6 + 7 = ☐ + 9	

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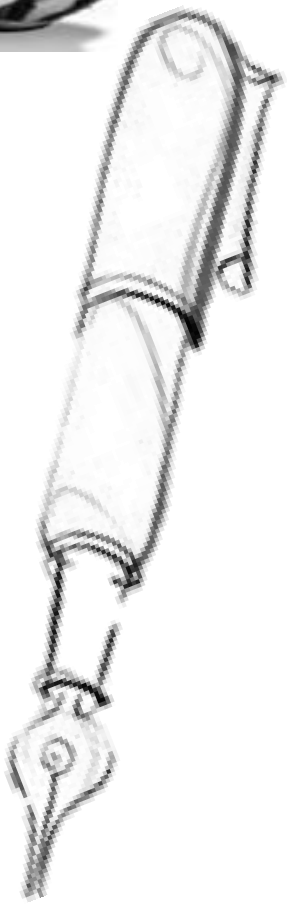
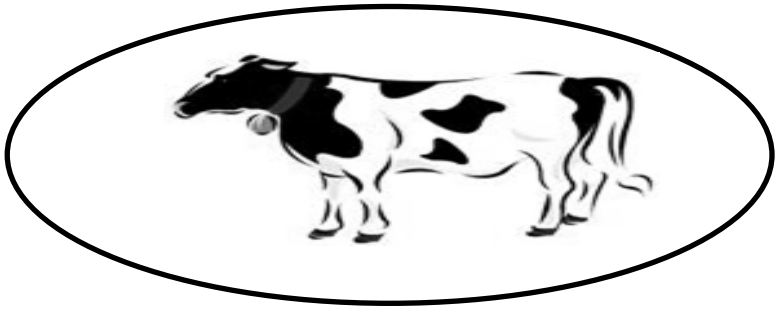
Name _____ Date _____

Measure the length of each object with your **LARGE** paper clips. Fill in the chart with your measurement.

Name of Object	Number of Large Paper Clips
Bottle	
Caterpillar	
Key	
Pen	
Sticker	
Paper	
Reading book	





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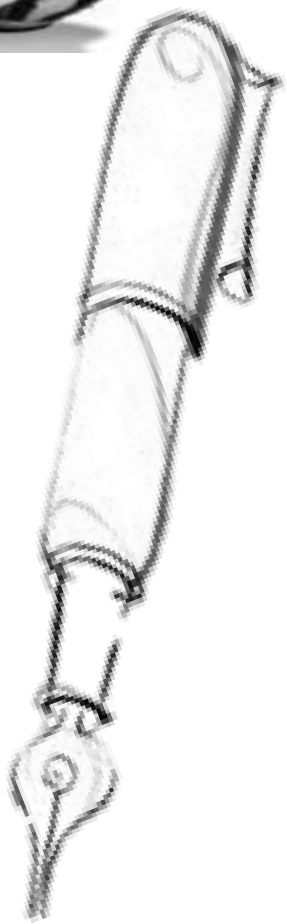
Measure the length of each object with your **SMALL** paper clips. Fill in the chart with your measurement.



Name of Object	Number of Small Paper Clips
Bottle	
Caterpillar	
Key	
Pen	
Sticker	
Paper	
Reading book	

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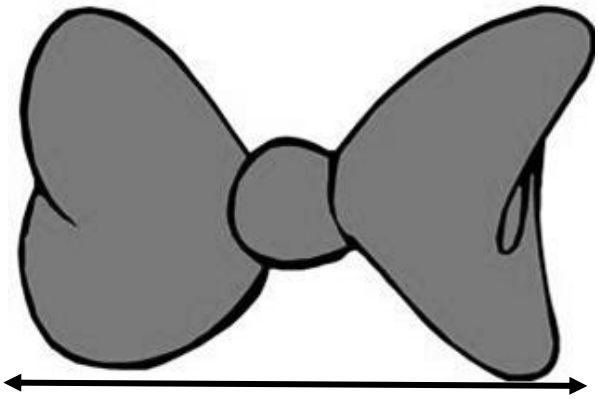
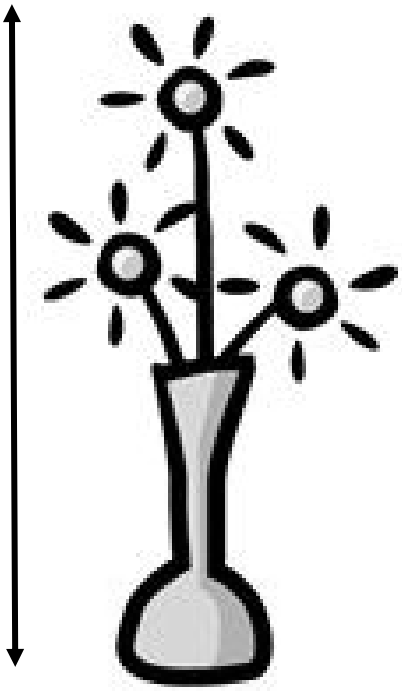
Name _____ Date _____

Measure the length of each object with your **small** and **large** paper clips. Fill in the chart with your measurements.

Name of Object	Number of Large Paper Clips	Number of Small Paper Clips
Bow		
Candle		
Vase and Flowers		





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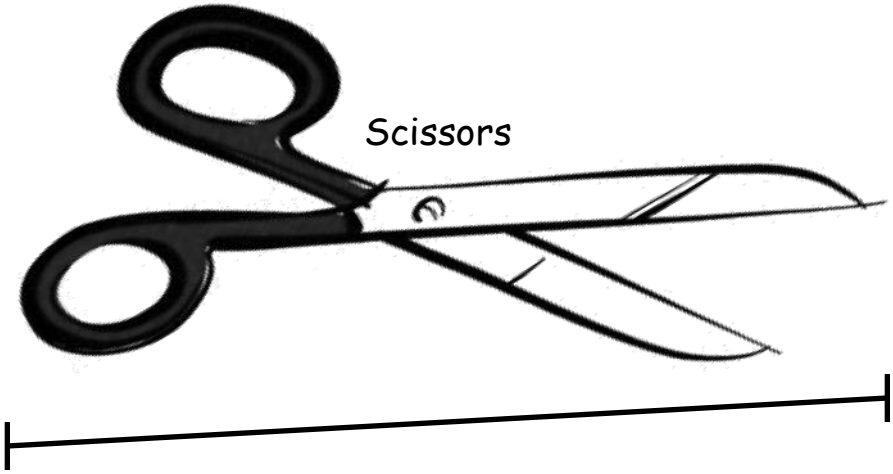
Name _____ Date _____

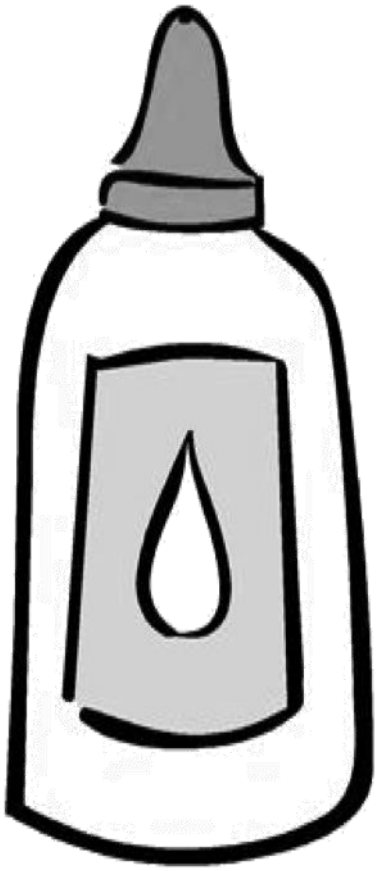
Cut the strip of paper clips. Measure the length of each object with your **large** paper clips to the right. Then, measure the length with your **small** paper clips on the back. Fill in the chart on the back of the page with your measurements.

Paintbrush

Scissors

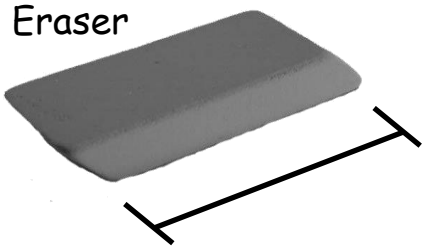


Glue



Crayon

Eraser



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Name of Object	Length in Large Paper Clips	Length in Small Paper Clips
Paintbrush		
Scissors		
Eraser		
Crayon		
Glue		

Now find objects around your home to measure. Record the objects you find on the chart.

Name of Object	Length in Large Paper Clips	Length in Small Paper Clips

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Name _____ Date _____

Circle the length unit you used to measure. Use the same length unit for all objects.

Small Paperclips

Large Paperclips

Toothpicks

Centimeter Cubes

Measure each object listed in the chart and record the measurement.
Add the names of other objects in the room and record their measurements.

Classroom Object	Measurement
Glue Stick	
Dry Erase Marker	
Unsharpened Pencil	
Personal White Board	

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Name _____ Date _____

Circle the length unit you used to measure. Use the same length unit for all objects.

Small Paperclips

Large Paperclips

Toothpicks

Centimeter Cubes

Choose two objects in your desk. Fill in the chart and record the measurement.

Classroom Object	Measurement

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Name _____ Date _____

Circle the length unit you used to measure. Use the same length unit for all objects.

Small Paperclips

Large Paperclips

Toothpicks

Centimeter Cubes

Measure each object listed in the chart and record the measurement.
Add the names of other objects in your house and record their measurements.

Home Object	Measurement
Fork	
Picture Frame	
Pan	
Shoe	

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Home Object	Measurement
Stuffed Animal	

Did you remember to add the name of the length unit after the number? Yes No

Pick 3 items. List your items from longest to shortest:

1. _____

2. _____

3. _____

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A

Number correct: ____

Name _____ Date _____

*Write the missing number.

1	17 + 1 = □		16	11 + 9 = □	
2	15 + 1 = □		17	10 + 9 = □	
3	18 + 1 = □		18	9 + 9 = □	
4	15 + 2 = □		19	7 + 9 = □	
5	17 + 2 = □		20	8 + 8 = □	
6	18 + 2 = □		21	7 + 8 = □	
7	15 + 3 = □		22	8 + 5 = □	
8	5 + 13 = □		23	11 + 8 = □	
9	15 + 2 = □		24	12 + □ = 17	
10	5 + 12 = □		25	14 + □ = 17	
11	12 + 4 = □		26	8 + □ = 17	
12	13 + 4 = □		27	□ + 7 = 16	
13	3 + 14 = □		28	□ + 7 = 15	
14	17 + 2 = □		29	9 + 5 = 10 + □	
15	12 + 7 = □		30	7 + 8 = □ + 9	

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B

Number correct: _____

Name _____ Date _____

*Write the missing number.

1	14 + 1 = ☐		16	11 + 9 = ☐	
2	16 + 1 = ☐		17	10 + 9 = ☐	
3	17 + 1 = ☐		18	8 + 9 = ☐	
4	11 + 2 = ☐		19	9 + 9 = ☐	
5	15 + 2 = ☐		20	9 + 8 = ☐	
6	17 + 2 = ☐		21	8 + 8 = ☐	
7	15 + 4 = ☐		22	8 + 5 = ☐	
8	4 + 15 = ☐		23	11 + 7 = ☐	
9	15 + 3 = ☐		24	12 + ☐ = 18	
10	5 + 13 = ☐		25	14 + ☐ = 18	
11	13 + 4 = ☐		26	8 + ☐ = 18	
12	14 + 4 = ☐		27	☐ + 5 = 14	
13	4 + 14 = ☐		28	☐ + 6 = 15	
14	16 + 3 = ☐		29	9 + 6 = 10 + ☐	
15	13 + 6 = ☐		30	6 + 7 = ☐ + 9	

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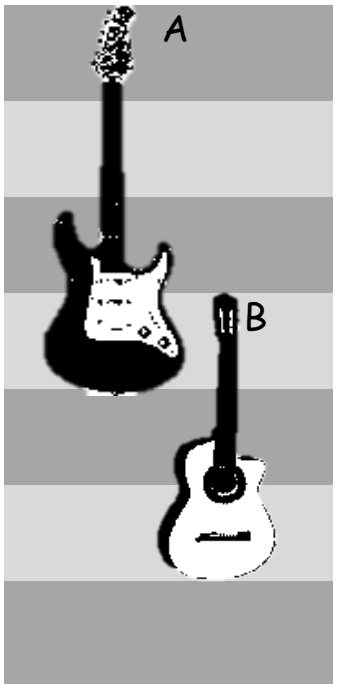
Name _____ Date _____

1. Look at the picture below. How much **longer** is Guitar A than Guitar B?



Guitar A is _____ unit(s) **longer** than Guitar B.

2. Measure each object with centimeter cubes.

The blue pen is _____.

The yellow pen is _____.

3. How much **longer** is the yellow pen than the blue pen?

   The yellow pen is ____ centimeters **longer** than the blue pen.

4. How much **shorter** is the blue pen than the yellow pen?

   The blue pen is ____ centimeters **shorter** than the yellow pen.

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Use your centimeter cubes to model each problem. Then, draw a picture of your model.

5. Austin wants to make a paper clip train that is 13 paper clips long. If his train is already 9 paper clips long, how many **more** paper clips does he need?

6. Kea's doll is 12 centimeters long, and Megan's doll is 8 centimeters long. How much **shorter** is Megan's doll than Kea's doll?

7. Kim cuts a piece of ribbon for her mom that is 14 centimeters long. Her mom says the ribbon is 8 centimeters too long. How **long** should the ribbon be?

8. The tail of Lee's dog is 15 centimeters long. If the tail of Kit's dog is 9 centimeters long, how much **longer** is Lee's dog's tail than the tail of Kit's dog?

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Name _____ Date _____

Use your centimeter cubes to model each problem. Then, draw a picture of your model.

1. Mona's hair grew 7 centimeters. Claire's hair grew 15 centimeters. How much **less** did Mona's hair grow than Claire's hair?

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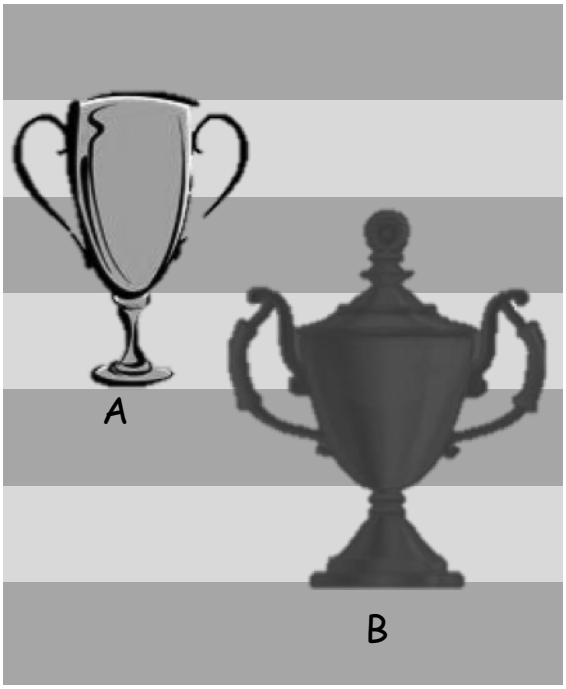
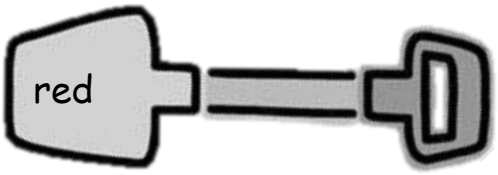
Name _____ Date _____

1. Look at the picture below. How much **shorter** is Trophy A than Trophy B?

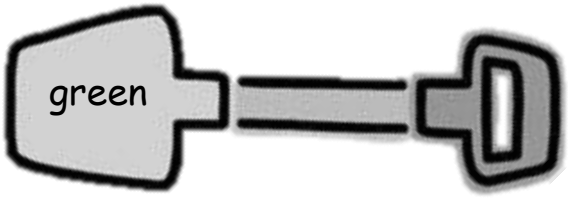


Trophy A is _____ units **shorter** than Trophy B.

2. Measure each object with centimeter cubes.



The red shovel is ____ _____.



The green shovel is ____ _____.

How much **longer** is the green shovel than the red shovel?

The green shovel is ____ centimeters **longer** than the red shovel.

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Use your centimeter cubes to model each problem. Then, draw a picture of your model.

3. Susan grew 15 centimeters and Tyler grew 11 centimeters. How much **more** did Susan grow than Tyler?

4. Bob's straw is 13 centimeters. If Tom's straw is 6 centimeters, how much **shorter** is Tom's straw than Bob's straw?

5. A purple card is 8 toothpicks long. A red card is 12 toothpicks long. How much **longer** is the red card than the purple card?

6. Carlos' bean plant grew to be 9 centimeters high. Dallas' bean plant grew to be 14 centimeters high. How much **higher** is Dallas' plant than Carlos' plant?

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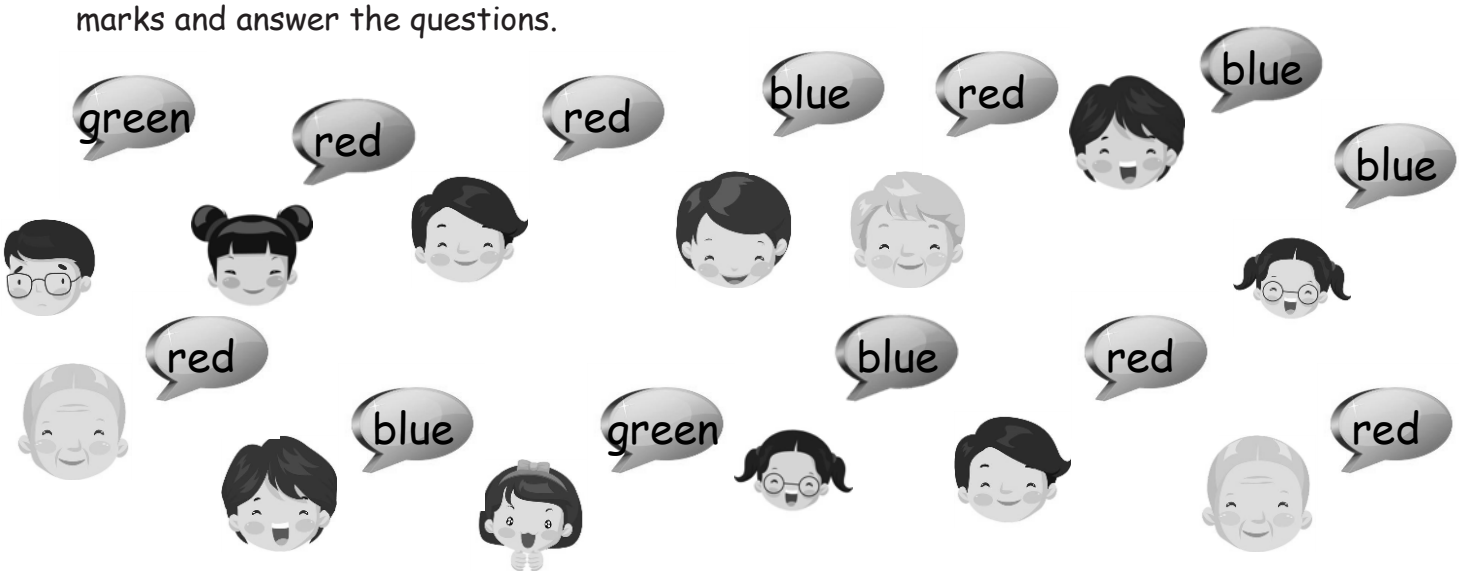
Name _____ Date _____

A group of people were asked their favorite color. Organize the data using tally marks and answer the questions.



Red	
Green	
Blue	

How many people like red? _____ people like red.

How many people like blue? _____ people like blue.

How many people like green? _____ people like green.

What color do people like the **least**? _____

Write a number sentence that tells the total number of people who were asked their favorite color.

_____

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Name _____ Date _____

Use the data below to answer the following questions.

How many teeth has each student lost?

Student	Number of Teeth Lost
Mayra	3
Eddie	5
Luna	4

1. What is the **total** number of students that lost 3 teeth each? _____ student(s)

2. What is the **greatest** number of teeth lost? _____ teeth

3. What is the total number of students that lost **fewer** than 5 teeth? _____ student(s)

4. Write an addition sentence for the **total** number of teeth all 3 students lost.

_____

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Name _____ Date _____

Students were asked about their favorite ice cream flavor. Use the data below to answer the questions.

Ice Cream Flavor	Tally Marks	Votes
Chocolate	IIII	
Strawberry	III	
Cookie Dough	~~IIII~~ ~~IIII~~	

1. Write the number of students that liked each flavor in the *Votes* column.

2. How many students chose cookie dough as the flavor they like **best**?
   _____ students

3. What is the total number of students who like chocolate or strawberry the **best**? _____ students

4. Which flavor is the **least** favorite? _____

5. What is the total number of students who like cookie dough or chocolate the **best**?
   _____ students

6. Which two flavors were liked by a **total** of 7 students?

   _____ and _____

7. Write an addition sentence that shows how many students voted for their favorite ice cream flavor:

   _____

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Students voted on what they like to read the most. Organize the data using tally marks and then answer the questions.

comic book	magazine	chapter book	comic book	magazine
chapter book	comic book	comic book	chapter book	chapter book
chapter book	chapter book	magazine	magazine	magazine

What Students Like to Read the Most	Number of People
Comic Book	
Magazine	
Chapter Book	

1. How many students like to read chapter books? _____ students
2. Which item is the least favorite to read among the students? _____
3. How many more students like to read chapter books than magazines?

   _____students
4. What is the total number of students that like to read magazines or chapter books?

   _____students
5. Which two items did a total of 9 students like to read?
6. _____ and _____
7. Write an addition sentence that shows how many students voted.

_____

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A

Number correct:

Name _____ Date _____

*Write the missing number.

1	17 - 1 = ☐		16	19 - 9 = ☐	
2	15 - 1 = ☐		17	18 - 9 = ☐	
3	19 - 1 = ☐		18	11 - 9 = ☐	
4	15 - 2 = ☐		19	16 - 5 = ☐	
5	17 - 2 = ☐		20	15 - 5 = ☐	
6	18 - 2 = ☐		21	14 - 5 = ☐	
7	18 - 3 = ☐		22	12 - 5 = ☐	
8	18 - 5 = ☐		23	12 - 6 = ☐	
9	17 - 5 = ☐		24	14 - ☐= 11	
10	19 - 5 = ☐		25	14 - ☐= 10	
11	17 - 7 = ☐		26	14 - ☐= 9	
12	18 - 7 = ☐		27	15 - ☐= 9	
13	19 - 7 = ☐		28	☐- 7 = 9	
14	19 - 2 = ☐		29	19 – 5 = 16 - ☐	
15	19 - 7 = ☐		30	15 – 8 = ☐- 9	

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B

Name _____ Date _____ Number correct: ____

*Write the missing number.

1	16 - 1 = ☐		16	19 - 9 = ☐	
2	14 - 1 = ☐		17	18 - 9 = ☐	
3	18 - 1 = ☐		18	12 - 9 = ☐	
4	19 - 2 = ☐		19	19 - 8 = ☐	
5	17 - 2 = ☐		20	18 - 8 = ☐	
6	15 - 2 = ☐		21	17 - 8 = ☐	
7	15 - 3 = ☐		22	14 - 5 = ☐	
8	17 - 5 = ☐		23	13 - 5 = ☐	
9	19 - 5 = ☐		24	12 - ☐= 7	
10	16 - 5 = ☐		25	16 - ☐= 10	
11	16 - 6 = ☐		26	16 - ☐= 9	
12	19 - 6 = ☐		27	17 - ☐= 9	
13	17 - 6 = ☐		28	☐- 7 = 9	
14	17 - 1 = ☐		29	19 – 4 = 17 - ☐	
15	17 - 6 = ☐		30	16 – 8 = ☐- 9	

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Name _____ Date _____

Welcome to Data Day! Follow the directions to **collect**, **organize**, **ask**, and **answer questions** about data.

- Choose a question. Circle your choice.
- Pick 3 answer choices.
- Ask your classmates the question and record the data on a class list.
- Organize the data in the chart below.

Which fruit do you like best?	Which snack do you like best?	What do you like to do on the playground the most?	Which school subject do you like the best?	Which animal would you most like to be?

Answer Choices	Number of Students

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- Complete the question sentence frames to ask questions about your data.
- Trade papers with a partner and have your partner answer your questions.

1. How many students liked _____ the best?

2. How many students liked _____ the least?

3. How many more students liked _____ than _____?

4. What is the total number of students that liked _____ or

   _____ the best?

5. How many total students answered the question?

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Name _____ Date _____

A class collected the information in the chart below. Students asked each other: Among stuffed animals, toy cars, and blocks, which is your favorite toy?

Then, they organized the information on this chart.

Toy	Students' Favorite Toy
stuffed animals	15
toy cars	9
blocks	18

1. How many students chose toy cars? _____

2. How many more students chose blocks than stuffed animals? _____

3. How many students would need to choose toy cars to equal the number of students who chose blocks? _____

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Name _____ Date _____

Collect information about things you own. Then, organize your data like you did for the Problem Set and answer the questions.

How many **pets** do you have?	How many **toothbrushes** are in your home?	How many **pillows** are in your home?	How many **jars of tomato sauce** are in your home?	How many **picture frames** are in your home?

- Complete the question sentence frames to ask questions about your data.
- Answer your own questions.

1. How many _____ do you have? (Pick the item you have the **most** of.)

2. How many _____ do you have? (Pick the item you have the **least** of.)

3. **Together**, how many picture frames and pillows do you have?

4. Write and answer two more questions using the data you collected.

5. _____?

6. _____?

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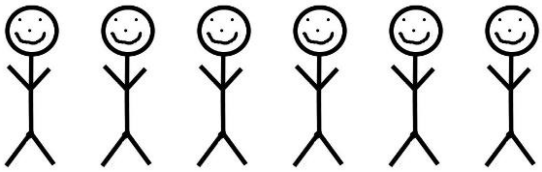
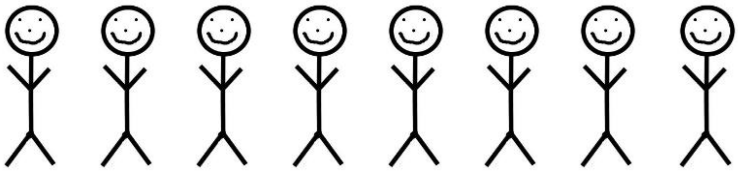
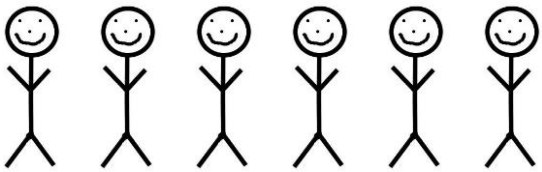
Students took a poll asking which museum is their favorite to visit. Each student could only vote once. Answer the questions based on the table.

Science Museum	
Art Museum	
History Museum	

1. How many students chose art museums? _____ students

2. How many students chose the art museum or the science museum?

   _____ students

3. From this data, can you tell how many students are in this class?

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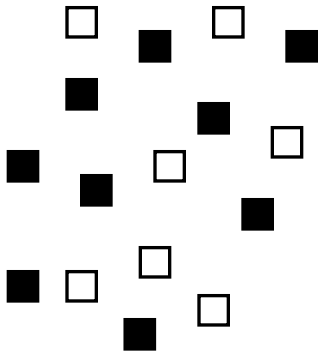
Name _____ Date _____

Use squares with no overlaps to organize the data from the list. Line up your **squares** carefully.

Favorite Ice Cream Flavor ☐ = 1 student

Flavors	
☐ Vanilla	
■ Chocolate	

Number of Students



1. How many **more** students liked chocolate than liked vanilla? _____

2. How many **total** students were asked about their favorite ice cream flavor? _____ students

---

Ties on Shoes ☐ = 1 student

Types of Shoe Ties	
Velcro	☐☐☐☐☐
Laces	☐☐☐☐☐☐☐☐
No Ties	☐☐☐☐☐☐☐

Number of Students

3. Write a number sentence to show how many **total** students were asked about their shoes?

_____

4. Write a number sentence to show how many **fewer** students have Velcro ties on their shoes than laces?

_____

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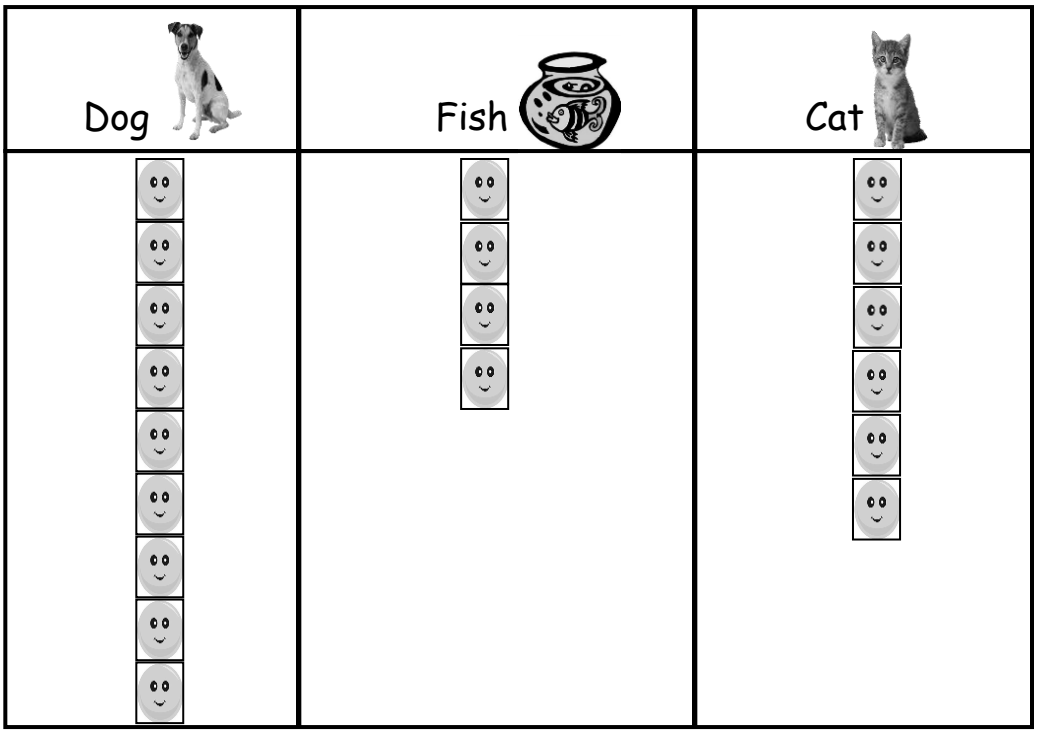
Each student in the class added a sticky note to show their favorite kind of pet. Use the chart to answer the questions.

Favorite Pet



5. How many students chose dogs or cats as their favorite?

_____ students

6. How many more students chose dogs as their favorite pet than cats?

_____ students

7. How many more students chose cats than fish?

_____ students

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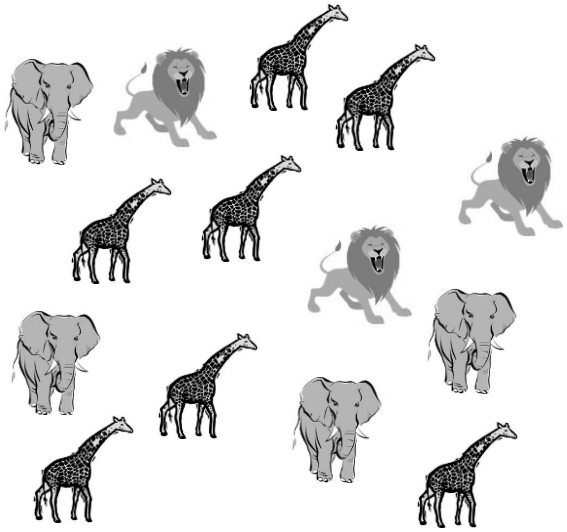
Name _____ Date _____

Use squares with no overlaps to organize the data from the pictures.
Line up your **squares** carefully.

Favorite Animals at the Zoo

Giraffe	
Elephant	
Lion	

Number of Students



Each picture represents
1 student's vote

1. Write a number sentence to show how many **total** students were asked about their favorite animal at the zoo.

_____

2. Write a number sentence to show how many **fewer** students like elephants than like giraffes.

_____

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Name _____ Date _____

The class has 18 students and they wore different kinds of shoes to school on Friday. Nine students wore sneakers, six students wore sandals, and three students wore boots. Use squares with no overlaps to organize the data from the pictures. Line up your **squares** carefully.

Shoes Worn on Friday

Shoes

	
	
	

Number of Students

1. How many more students wore sneakers than sandals? _____ students

2. Write a number sentence to show how you could use the chart to tell how many students were asked about their shoes on Friday.

_____

3. Write a number sentence to show how many fewer students wore boots than sneakers.

_____

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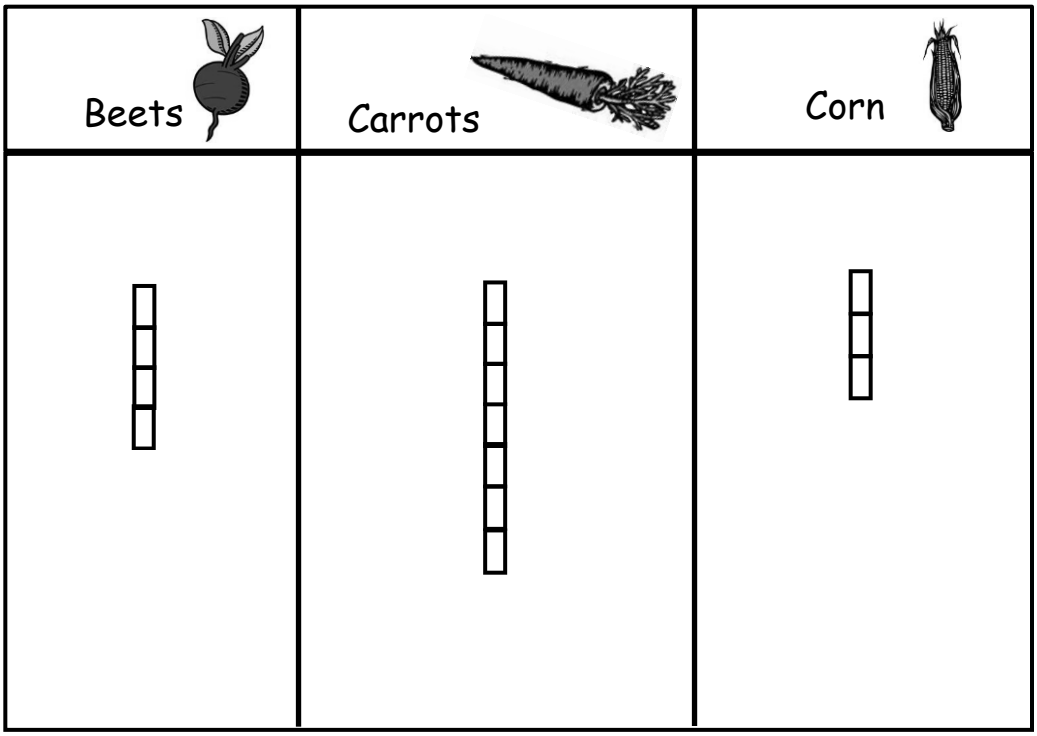
Our school garden has been growing for two months. These are the vegetables that we have harvested so far.

Vegetables Harvested



8. How many total vegetables were harvested?

_____ vegetables

9. What vegetable have students harvested the most of?

_____

10. How many more beets were harvested than corn?

_____

11. How many more beets would need to grow to have the same as the number of carrots?

_____

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A

Number correct: ____

Name _____ Date _____

*Write the missing number.

1	9 + 1 + 3 = □		16	6 + 3 + 8 = □	
2	9 + 2 + 1 = □		17	5 + 9 + 4 = □	
3	5 + 5 + 3 = □		18	3 + 12 + 4 = □	
4	5 + 2 + 5 = □		19	3 + 11 + 5 = □	
5	4 + 5 + 5 = □		20	5 + 6 + 7 = □	
6	8 + 2 + 4 = □		21	2 + 6 + 3 = □	
7	8 + 3 + 2 = □		22	3 + 2 + 13 = □	
8	12 + 2 + 2 = □		23	3 + 13 + 3 = □	
9	3 + 3 + 12 = □		24	9 + 1 + □ = 14	
10	4 + 4 + 5 = □		25	8 + 4 + □ = 16	
11	2 + 15 + 2 = □		26	□ + 8 + 6 = 19	
12	7 + 3 + 3 = □		27	2 + □ + 7 = 18	
13	1 + 17 + 1 = □		28	2 + 2 + □ = 18	
14	14 + 2 + 2 = □		29	19 = 6 + □ + 9	
15	4 + 12 + 4 = □		30	18 = 7 + □ + 6	

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B

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Name _____ Date _____

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2	9 + 4 + 1 = □		17	4 + 9 + 2 = □	
3	5 + 5 + 1 = □		18	2 + 12 + 4 = □	
4	5 + 3 + 5 = □		19	2 + 11 + 5 = □	
5	4 + 5 + 5 = □		20	6 + 6 + 7 = □	
6	8 + 2 + 2 = □		21	2 + 6 + 5 = □	
7	8 + 3 + 2 = □		22	3 + 3 + 13 = □	
8	11 + 1 + 1 = □		23	3 + 14 + 3 = □	
9	2 + 2 + 14 = □		24	9 + 1 + □ = 13	
10	4 + 4 + 4 = □		25	8 + 4 + □ = 15	
11	2 + 13 + 2 = □		26	□ + 8 + 6 = 18	
12	6 + 3 + 3 = □		27	2 + □ + 6 = 18	
13	1 + 15 + 1 = □		28	2 + 5 + □ = 18	
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15	3 + 14 + 3 = □		30	19 = 7 + □ + 6	

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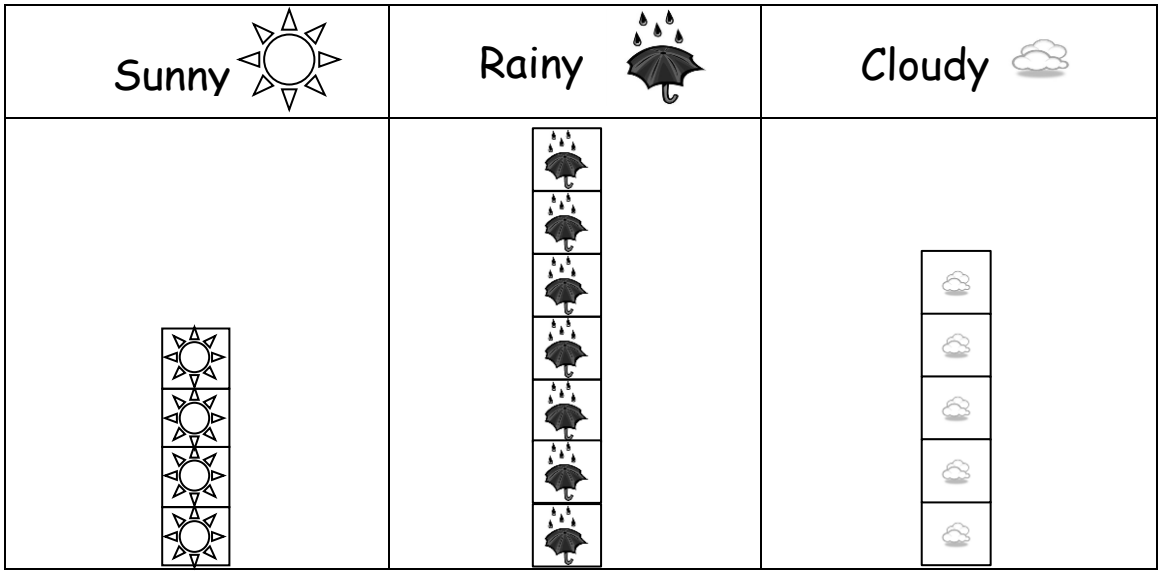
Name _____ Date _____

Use the chart to answer the questions. Fill in the blank and write a number sentence.

School Day Weather



Fill in the blank and write a number sentence to the right to solve the problem.

1. How many more day(s) were cloudy than sunny?

   _____ more day(s) were cloudy than sunny. _____

2. How many fewer days were cloudy than rainy?

   _____ more day(s) were cloudy than rainy. _____

3. How many more days were rainy than sunny?

   _____ more day(s) were rainy than sunny. _____

4. How many total days did the class keep track of the weather?

   _____ total days

5. If the next 3 days were sunny, how many of the school days will be sunny in all?

   _____ days would be sunny.

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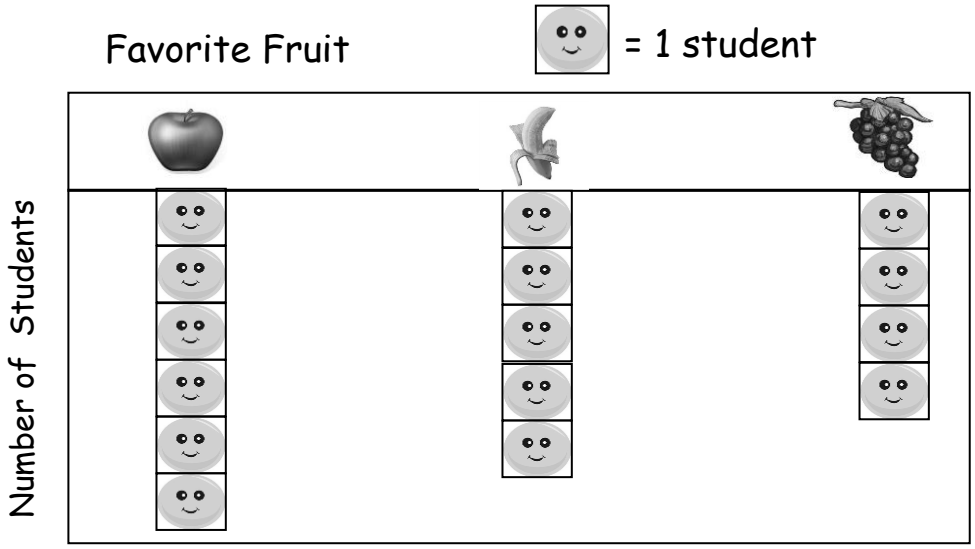
Use the graph to answer the questions. Fill in the blank and write a number sentence that helps you solve the problem.



7. How many fewer students chose bananas than apples?

_____ fewer students like bananas than apples. _____

8. How many more students chose bananas than grapes?

_____ more students chose bananas than grapes. _____

9. How many fewer students chose grapes than apples?

_____ fewer students chose grapes than apples. _____

10. Some more students answered about their favorite fruits. If the new total number of students who answered is 20, how many more students answered?

_____ more students answered the question. _____

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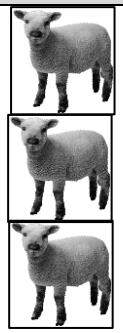
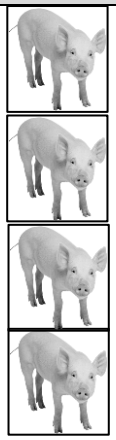
Name _____ Date _____

Use the graph to answer the questions. Write a number sentence.

Animals on Lily's Farm

Sheep	Cows	Pigs
		

1. How many animals are on Lily's farm in all? _____ animals

2. How many fewer sheep than pigs are on Lily's farm? _____ fewer sheep

3. How many more cows are on Lily's farm than sheep? _____ more cows

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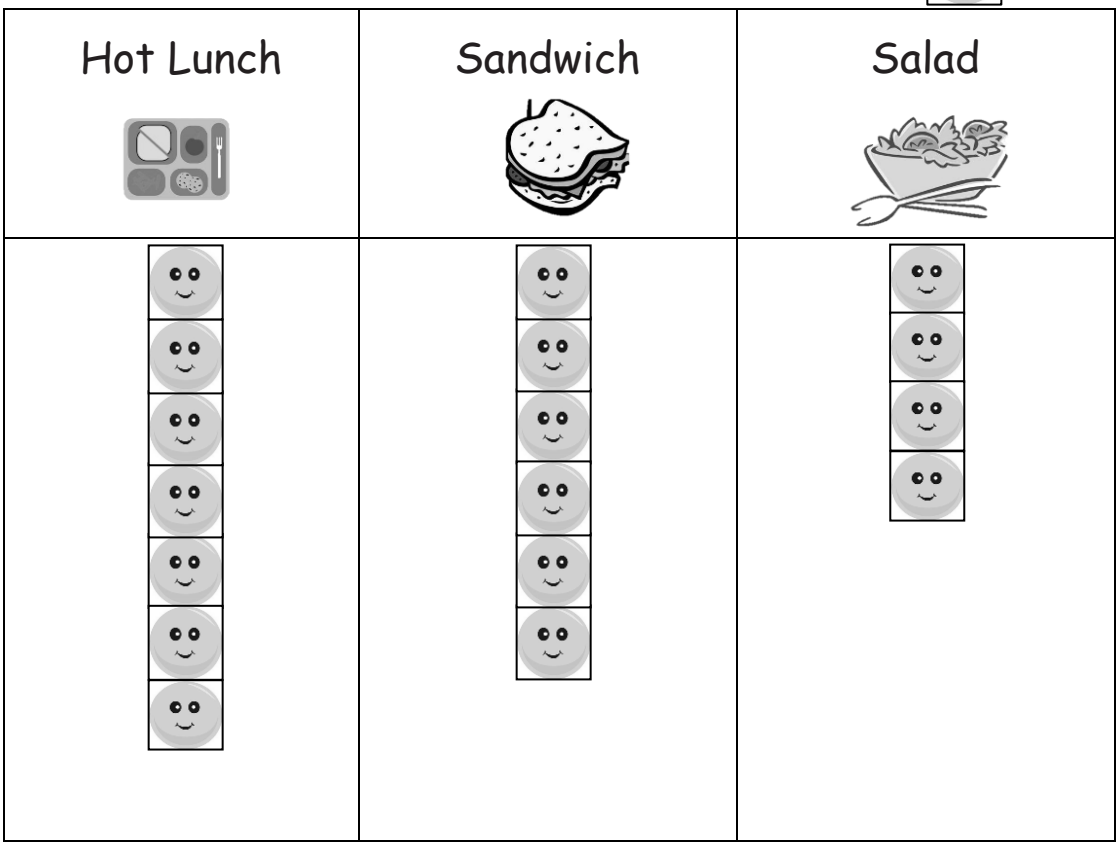
Name _____ Date _____

Use the graph to answer the questions. Fill in the blank and write a number sentence.

School Lunch Order

 = 1 student



1. How many more hot lunch orders than sandwich orders?

_____ more hot lunch orders

2. How many fewer salad orders than hot lunch orders?

_____ fewer salad orders

3. If 5 more students order hot lunch, how many hot lunch orders will there be?

_____ hot lunch orders

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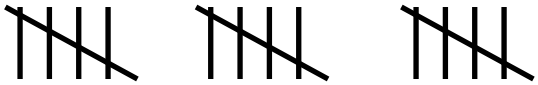
Use the chart to answer the questions. Fill in the blanks and write a number sentence.

Favorite Type of Book

 = 5 students

Fairy Tales	
Science Books	
Picture Books	

1. How many more students like fairy tales than science books?

_____ more students

2. How many fewer students like science books than picture books?

_____ fewer students

3. How many students picked fairy tales or science books in all?

_____ students

4. How many more students would need to pick science books to have the same number as fairy tales?

_____ students

5. If 5 more students show up late and all pick fairy tales will this be the type of book that the most students picked as their favorite? Yes or no? Use a number sentence to show your answer.

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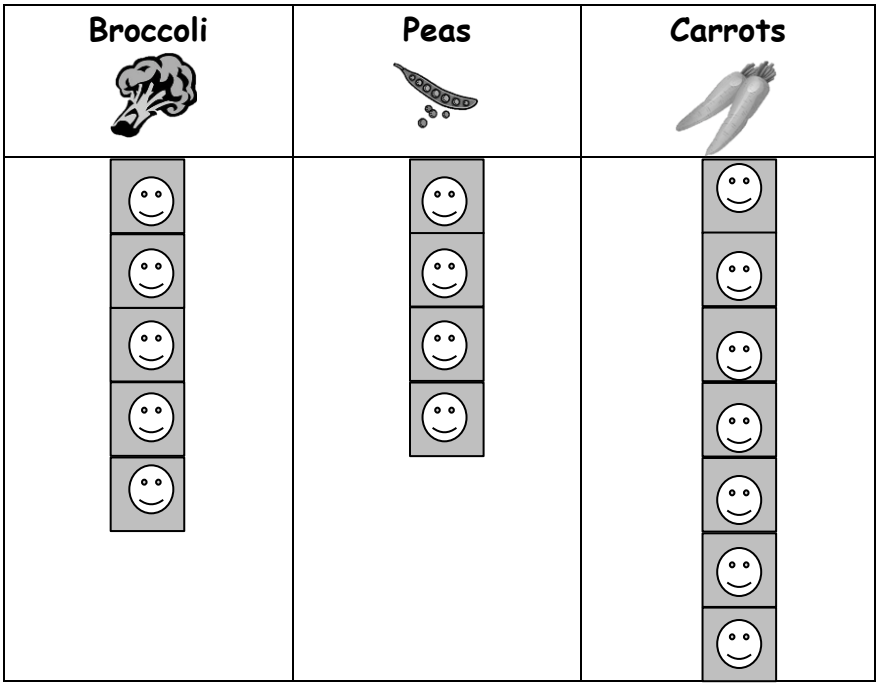
Name _____ Date _____

1. Each student in the class put a sticky note in the chart to show the vegetable they like best. Use the table below to answer the questions. Remember to label your answers.

Vegetables that Students Like Best



a. How many students like carrots the best? _____

b. How many students like carrots and peas the best? _____

c. How many total students answered the survey? _____

d. How many more students like broccoli than like peas the best?

_____

e. How many fewer students like broccoli than like carrots the best?

_____

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2. Cesar has a piece of string that he wants to use to compare how far his cat's bed


and his dog's bed are from their shared water bowl.

The string is a lot **longer** than the dog's path to the bowl.
The string is a lot **shorter** than the cat's path to the bowl.

Whose path is shorter to their water bowl, the dog's or the cat's? Draw a picture to show how you know.

water bowl

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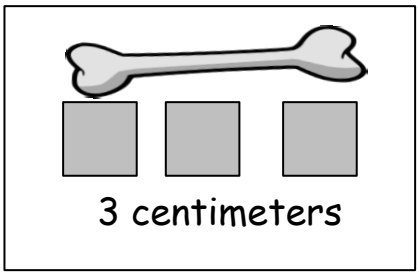
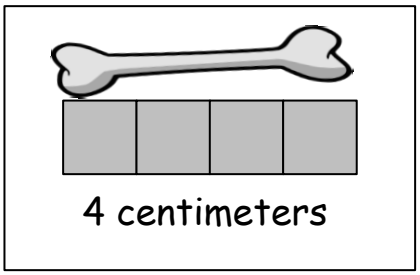
3. Circle the pictures that show a correct measurement.  is a centimeter cube.

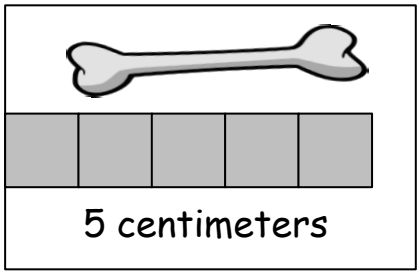
a.



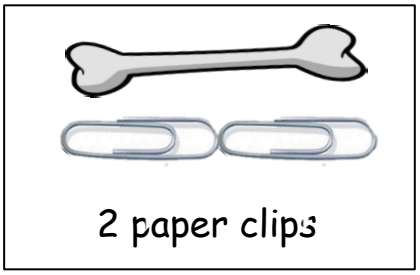
b.



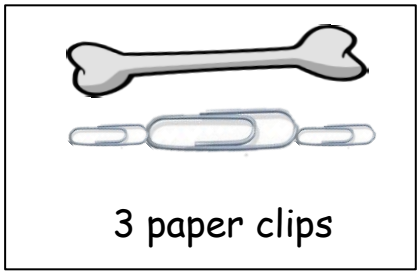
c.



d.



e.



a. Why did you pick these pictures? Explain your thinking with two reasons.

_____

_____

b. What was the length measurement of the **bone** for each correct picture?

_____

c. Why are the (d) and (e) measurements with paper clips different?

_____

_____

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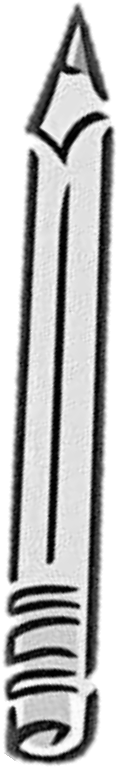
4. Measure the length of the picture of each item with centimeter cubes.

a.

_____ centimeters



_____ centimeters

_____ centimeters

b. Order the train, pencil, and lollipop from shortest to longest.

_____

c. Which item, or items, are longer than the lollipop?

_____

d. How much longer is the pencil than the train?

_____

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