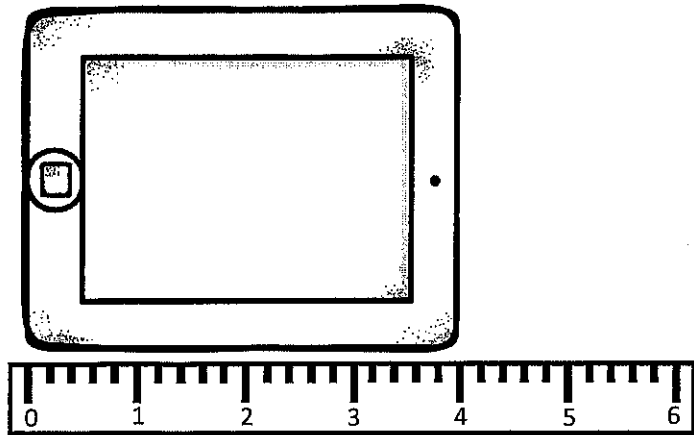


*Measurement AND  
Data Standards*

Name \_\_\_\_\_

## Inches of iPad

Anna and Cullen are measuring an iPad.  
They are using a ruler to measure it, and  
lined it up this way:



Anna and Cullen got 2 different lengths of  
the iPad. These are their answers:

**ANNA**

5 inches

**CULLEN**

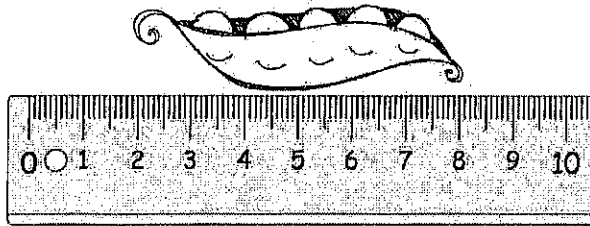
4 inches

Who is correct?  
Circle his or her answer.

Name \_\_\_\_\_

## Peas in a Pod

Dimah and Carter are measuring vegetables that are growing in the school garden. They are using a ruler to measure a pea pod, and lined it up this way:



Dimah and Carter got 2 different lengths of the pea pod. These are their answers:

**DIMAH**

8 inches

**CARTER**

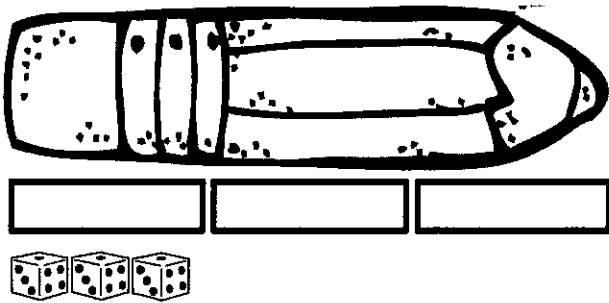
6 inches

Who is correct?  
Circle his or her answer.

Name \_\_\_\_\_

## Pencil Measurement

Lacy and Jeremy are measuring a pencil using different materials in their math center. They choose rectangle tangrams and dice to measure their pencil.



Lacy and Jeremy agreed that the pencil was 3 rectangles long, but couldn't agree on how many dice it would take to measure the pencil. These are their answers:

**LACY**

9 dice

**JEREMY**

3 dice

Who is correct?  
Circle his or her answer.

Name \_\_\_\_\_

## Feet and Yards

Elizabeth and Sabrina have a variety of tools to measure their desks. Both girls chose to use a ruler and a yard stick. After measuring their desk, they wrote a rule to describe what they found. This is what they wrote:

Elizabeth said, "My desk was 3 feet or 1 yard long. Since a foot is shorter than a yard and I needed fewer of them. I know that the longer the unit, the more of them you need to measure."

Sabrina said, "No, no, no. Since a foot is shorter and we needed more of them, I know that the shorter the unit, the more of them you need."

**ELIZABETH**

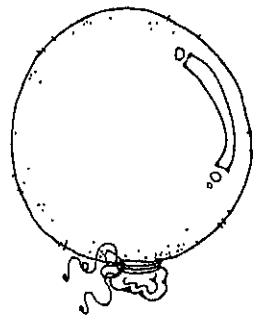
**SABRINA**

Who is correct?  
Circle his or her answer.

Name \_\_\_\_\_

## Estimation Celebration

Camden and Oscar are setting up decorations for a class party. They are tying a balloon to each student's chair and want to estimate the height of each balloon.



Camden says that the height of the balloon is about 4 inches. Oscar says the height of the balloon is about 4 feet.

**CAMDEN**

**OSCAR**

Who is correct?  
Circle his or her answer.

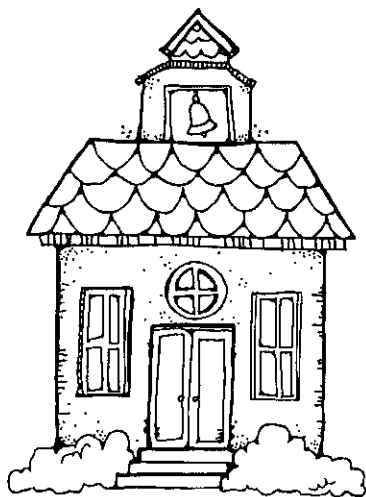
Name \_\_\_\_\_

## Classroom Investigation

Jack and Jade are estimating the length of items in their classroom. They want to estimate the height of their classroom from floor to ceiling.

Jack says that the height of the classroom is about 4 yards.

Jade says that the height of the classroom is about 10 centimeters.



**JACK**

**JADE**

Who is correct?  
Circle his or her answer.

Name \_\_\_\_\_

## Camping Caper

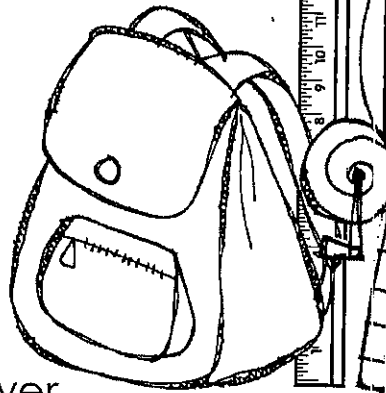
Martha and Trent are camping with their family. They want to measure the height of a backpack compared to the height of the fishing pole.

Martha says the difference between the two items is 28 inches.

Trent says the difference between fishing pole and backpack is 17 inches.

**MARTHA**

**TRENT**



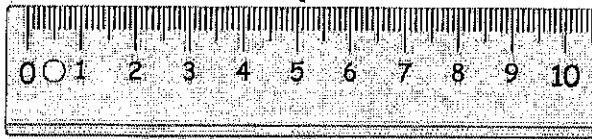
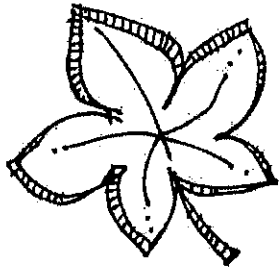
Who is correct?  
Circle his or her answer.



Name \_\_\_\_\_

## Leaf Hunt

Tonya and Mary are measuring leaves. They want to know the difference between the length of the leaves they found.



Tonya says there is no difference between the lengths of the two leaves. Mary says there is a difference between them and it is 1 centimeter.

**TONYA**

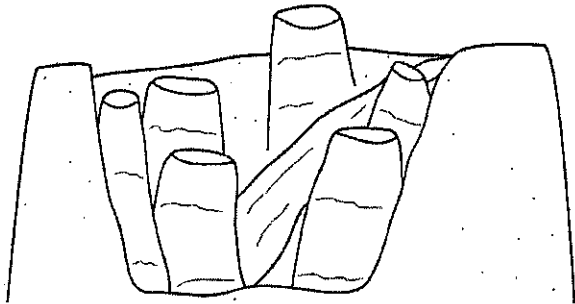
**MARY**

Who is correct?  
Circle his or her answer.

Name \_\_\_\_\_

## Canyon Hike

Madison and Evan are hiking through a canyon. Madison has hiked 54 meters. Evan has hiked 13 fewer meters than Madison. They want to know who has hiked the longest distance.



Madison says she has hiked 41 more meters than Evan. Evan disagrees. He says he's hiked 67 meters more than Madison.

**MADISON**

**EVAN**

Who is correct?  
Circle his or her answer.

Name \_\_\_\_\_

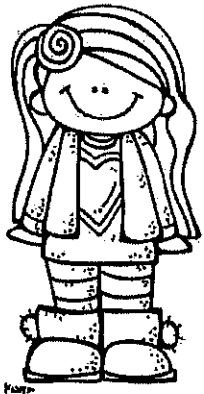
## P.E. Class

In P.E. class, Riley and Ethan were playing basketball. They measured how high they could jump when they were shooting the ball. Riley jumped 20 inches high, and Ethan jumped 12 inches. They want to know how much higher Riley jumped than Ethan.

They wrote these equations to solve their problem.

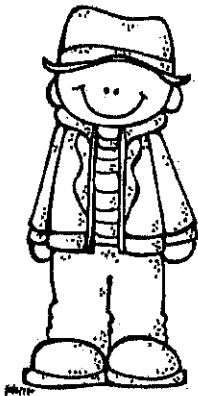
**RILEY**

$$20 + ? = 12$$



**ETHAN**

$$20 - 12 = ?$$

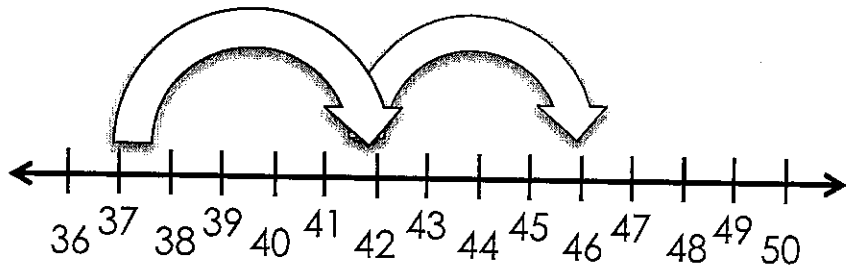


Who is correct?  
Circle his or her answer.

Name \_\_\_\_\_

## Number Line

Shelley and James are writing an expression to go with the number line below.



These are the number sentences Shelley and James wrote.

**SHELLEY**

$$37 + 5 + 4$$

**JAMES**

$$46 - 4 + 5$$

Who is correct?  
Circle his or her answer.

Name \_\_\_\_\_

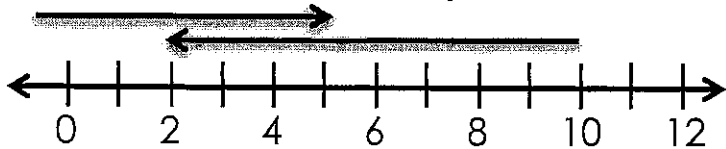
## Fabric Frenzy

Liam and Chloe are solving the problem below:

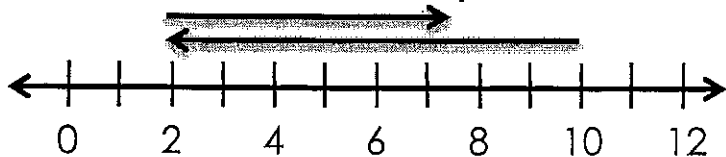
"Mrs. Rodriguez is sewing curtains for her room. She bought 10 yards of fabric for her project and used 8 yards of it. Then she bought 5 yards of fabric to make a blanket. If Mrs. Rodriguez can use all of the fabric she has in her blanket, how many yards of fabric does Mrs. Rodriguez have to make a blanket?"

Liam and Chloe drew these number lines to find their answers.

**LIAM:** 5 yards



**CHLOE:** 7 yards

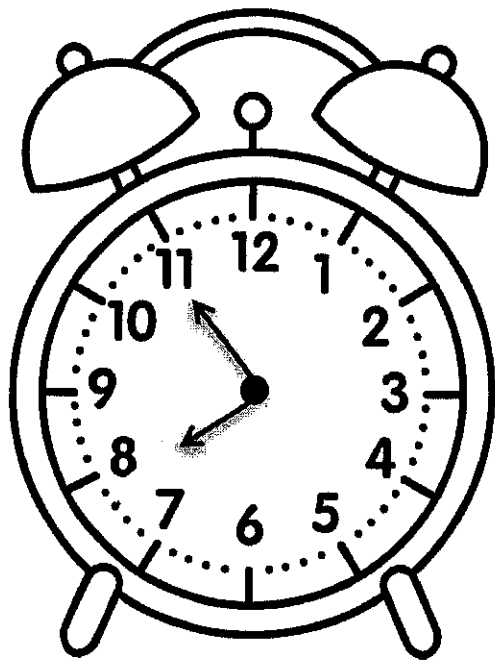


Who is correct?  
Circle his or her answer.

Name \_\_\_\_\_

## Analog Answers #1

Lily and Gabriel are reading the clock shown below. They cannot agree on what time it is.



These are their answers.

**LILY**

8:55

**GABRIEL**

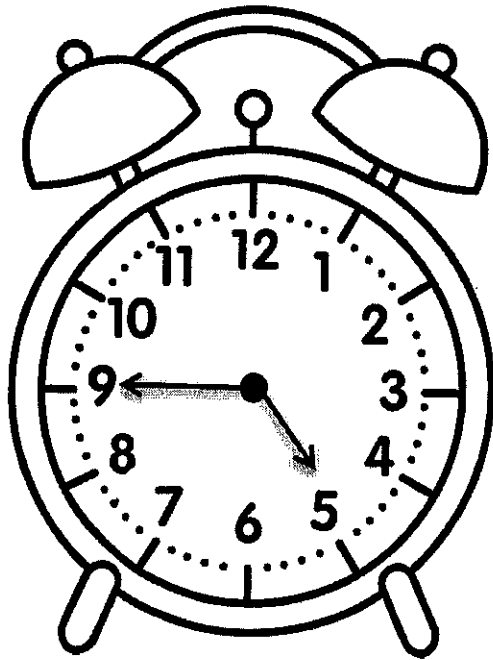
7:55

Who is correct?  
Circle his or her answer.

Name \_\_\_\_\_

## Analog Answers #2

Greyson and Aubrey are reading the clock shown below. They cannot agree on what time it is.



These are their answers.

**GREYSON**

Quarter to 5

**AUBREY**

25 after 9

Who is correct?  
Circle his or her answer.

Name \_\_\_\_\_

## Counting Money

Laura and Wyatt found some coins in their backpacks. They want to know how much money they have. These are the coins they found:



After counting, this is how much money each second grader thinks they have:

**LAURA**

85¢

**WYATT**

75¢

Who is correct?  
Circle his or her answer.



Name \_\_\_\_\_

## Making Change

Norah and Owen are running a bake sale. They each need to give change to a customer. These are the coins Norah gave back:



**NORAH**

These are the coins Owen gave back:



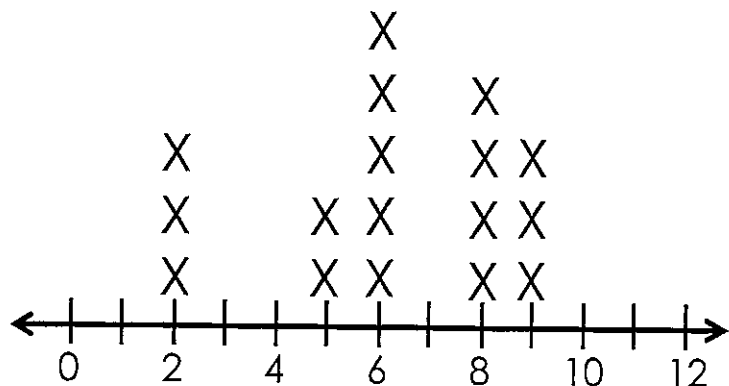
**OWEN**

Owen says they gave back the same amount of money, but Norah says she gave back more because she gave more coins. Who is correct? Circle his or her answer.

Name \_\_\_\_\_

## Line Plot

Nathan and Camila measured objects around their classroom in inches and made this line plot to show their data.



Length of objects (in inches)

Now that they've made the line plot, they need to know the difference between the longest object and shortest object they found. These are their answers:

**NATHAN**

**CAMILA**

$$12 - 0 = 12 \text{ inches} \quad 9 - 2 = 7 \text{ inches}$$

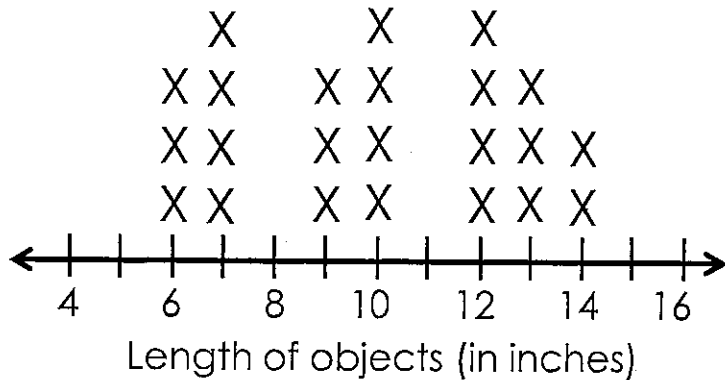
Who is correct?

Circle his or her answer.

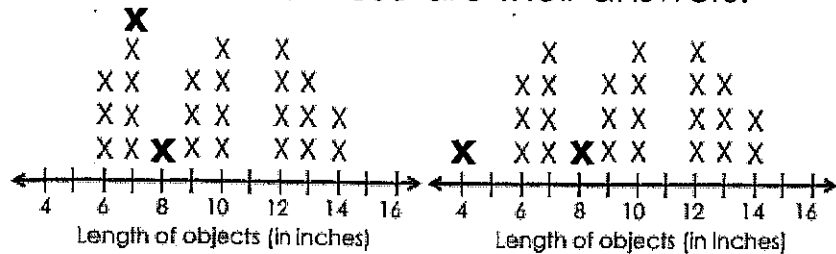
Name \_\_\_\_\_

## Line Plot Data

Leo and Sadie measured objects they found on the playground. They made the line plot shown below.



After they made the line plot, the students found 2 more objects to add to their graph. The lengths were 4 inches and 8 inches. They couldn't agree on where to add the data. These are their answers:



**LEO**

**SADIE**

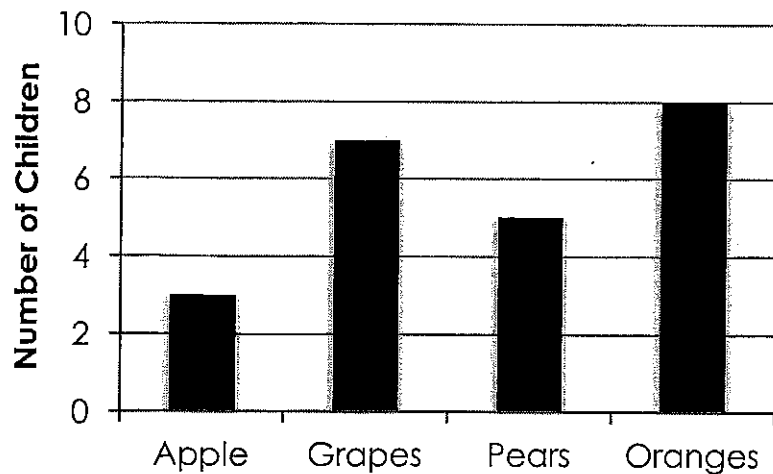
Who is correct?  
Circle his or her answer.

Name \_\_\_\_\_

## Bar Graphing

Eleanor and Aaron are answering questions about the graph shown below.

**Favorite Fruits**



Their question is, "How many more children like oranges more than pears?" These are the second graders' answers.

**ELEANOR**

13 children

**AARON**

3 children

Who is correct?  
Circle his or her answer.




Name \_\_\_\_\_

## Pictographing



Gavin and Anna are making a pictograph to show the data in the table. Their graphs were not the same, and they can't decide who is correct. They need you to figure out whose graph is accurate.

Favorite Ice Cream	
Vanilla	
Chocolate	
Swirl	<del>    </del>

**GAVIN**

Favorite Ice Cream	
Vanilla	
Chocolate	
Swirl	

**ANNA**

Favorite Ice Cream	
Vanilla	
Chocolate	
Swirl	