



**NEW ENGLAND  
COMMON ASSESSMENT PROGRAM**

**Student Work Samples  
2009**

**Grade 3**



# Mathematics

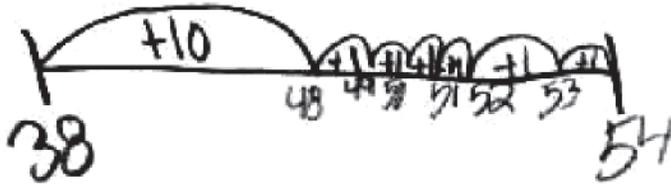


- 11 Mrs. Thompson has some puzzles. She gave 38 puzzles to her students. Now she has 16 puzzles left. How many puzzles did Mrs. Thompson start with?

$$54 - 38 = 16 \text{ puzzles}$$



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- 11 Mrs. Thompson has some puzzles. She gave 38 puzzles to her students. Now she has 16 puzzles left. How many puzzles did Mrs. Thompson start with?

$$\begin{array}{r} 38 \\ +16 \\ \hline 54 \end{array}$$

- 12 This table shows the number of children at story time.

### Story Time

Month	Number of Children
January	25
February	29
March	33
April	37
May	?

The pattern in the table continues.

How many children will go to story time in May?

41

- 12 This table shows the number of children at story time.

### Story Time

Month	Number of Children
January	25
February	29
March	33
April	37
May	?

The pattern in the table continues.

How many children will go to story time in May?

31 because  
the pattern is  
plus 4 every month

- 12 This table shows the number of children at story time.

**Story Time**

<b>Month</b>	<b>Number of Children</b>
January	25
February	29
March	33
April	37
May	?

The pattern in the table continues.

How many children will go to story time in May?

39

- 13 Look at this number sentence.

$$\begin{array}{r} 27 \\ - \square \\ \hline 11 \end{array}$$

What number makes this number sentence true?

$$27 - 16 = 11$$

13 Look at this number sentence.

$$\begin{array}{r} 27 \\ - \boxed{16} \\ \hline 11 \end{array}$$

What number makes this number sentence true?

Handwritten student work showing a list of numbers from 1 to 23. The numbers 12, 13, 14, 15, 17, 18, 19, 20, 21, 22, and 23 are crossed out with a diagonal line. The number 16 is boxed. The number 11 is also boxed.

13 Look at this number sentence.

$$\begin{array}{r} 27 \\ - \boxed{12} \\ \hline 11 \end{array}$$

What number makes this number sentence true?

16

13 Look at this number sentence.

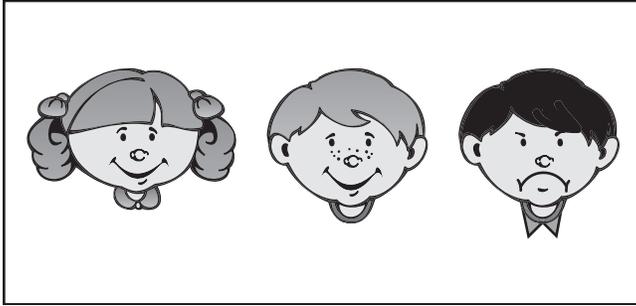
$$\begin{array}{r} 27 \\ - \square \\ \hline 11 \end{array}$$

$$\begin{array}{r} 27 \\ - 11 \\ \hline 38 \end{array}$$

What number makes this number sentence true?

In the middle it's 38.  
That's what makes the  
number sentence true.

- 14 Look at the group of children.



- a. Write a fraction that shows the part of the group that is smiling.

$$\frac{2}{3}$$

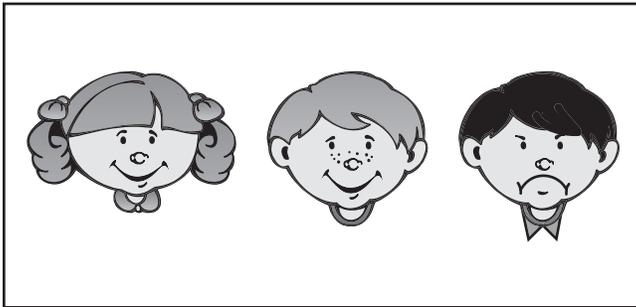
- b. How did you get the top number in your fraction?

I looked and  
saw who was  
smiling.

- c. How did you get the bottom number in your fraction?

I counted the  
children.

- 14 Look at the group of children.



- a. Write a fraction that shows the part of the group that is smiling.

$$\frac{3}{2}$$

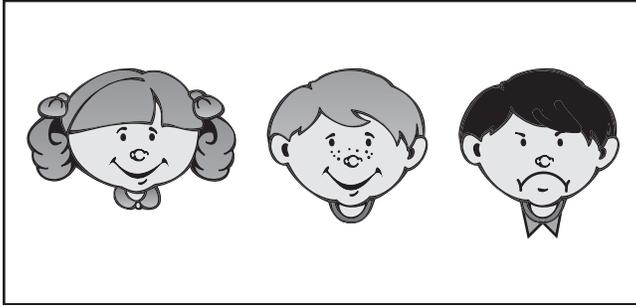
- b. How did you get the top number in your fraction?

because there are three children

- c. How did you get the bottom number in your fraction?

because only 2 of the children are smiling

- 14 Look at the group of children.



- a. Write a fraction that shows the part of the group that is smiling.

2

- b. How did you get the top number in your fraction?

two children  
are smiling.

- c. How did you get the bottom number in your fraction?

one kid is  
not smiling.



15 Lamar had \$1.00 for a snack. He spent \$0.65 on an apple.

a. How much money does Lamar have now? Use a dollar sign (\$) and a decimal point (.) to write your answer.

\$0.35

b. Show or name a set of coins Lamar could have now.





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a. How much money does Lamar have now? Use a dollar sign (\$) and a decimal point (.) to write your answer.

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a. How much money does Lamar have now? Use a dollar sign (\$) and a decimal point (.) to write your answer.

\$0.31

b. Show or name a set of coins Lamar could have now.





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a. How much money does Lamar have now? Use a dollar sign (\$) and a decimal point (.) to write your answer.

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15 Lamar had \$1.00 for a snack. He spent \$0.65 on an apple.

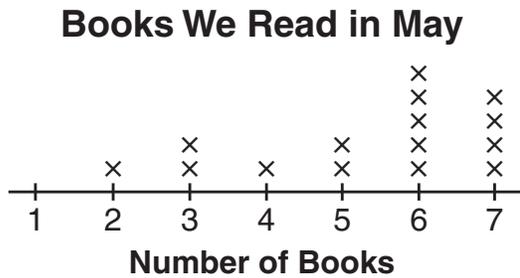
a. How much money does Lamar have now? Use a dollar sign (\$) and a decimal point (.) to write your answer.

\$0.65

b. Show or name a set of coins Lamar could have now.



- 16 Look at this line plot.



**Key**  
x represents 1 student

Stella wrote this statement using the data in the line plot.

**Three students read two books in May.**

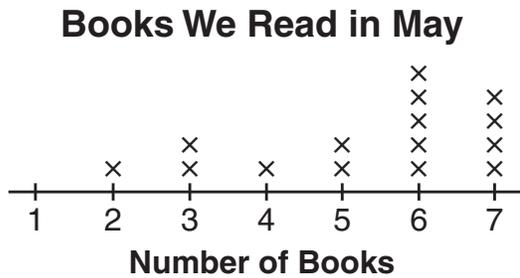
- a. Did Stella write a correct statement? Explain why or why not.

Stella didn't write the correct statement because looking at the data only one student read 2 books.

- b. Write your own statement using the data in this line plot.

The mode is 6 books.

- 16 Look at this line plot.



**Key**  
x represents 1 student

Stella wrote this statement using the data in the line plot.

**Three students read two books in May.**

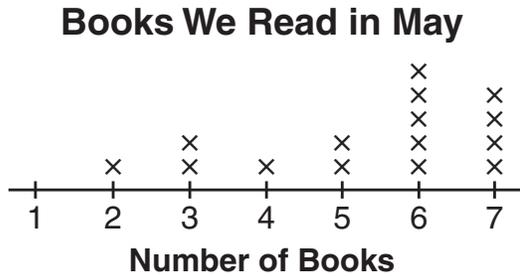
- a. Did Stella write a correct statement? Explain why or why not.

NO it not a correct statement  
because only 2 students read two  
books not three

- b. Write your own statement using the data in this line plot.

five students read six books  
in May

- 16 Look at this line plot.



**Key**  
x represents 1 student

Stella wrote this statement using the data in the line plot.

**Three students read two books in May.**

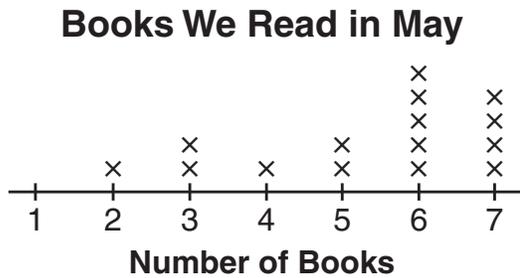
- a. Did Stella write a correct statement? Explain why or why not.

No only 1 person  
read two

- b. Write your own statement using the data in this line plot.

Three students  
read four books.

- 16 Look at this line plot.



**Key**  
x represents 1 student

Stella wrote this statement using the data in the line plot.

**Three students read two books in May.**

- a. Did Stella write a correct statement? Explain why or why not.

yes she did. Because the  
X's ment Book's and Number's  
ment children

- b. Write your own statement using the data in this line plot.

5 students read 2 Books in  
may.