



**NEW ENGLAND  
COMMON ASSESSMENT PROGRAM**

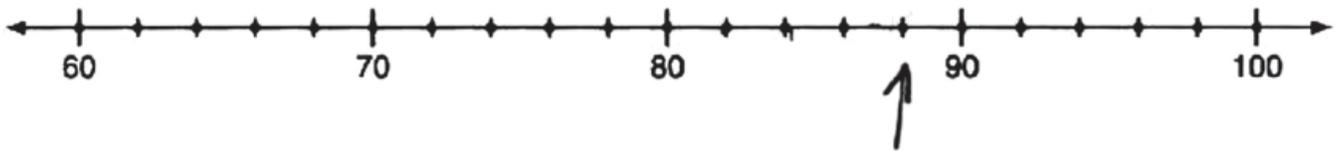
**Student Work Samples  
2006**

**Grade 3**



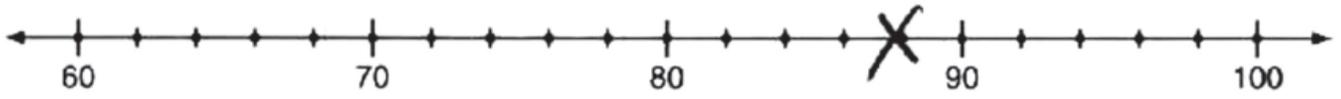
# Mathematics

11 Look at this number line.



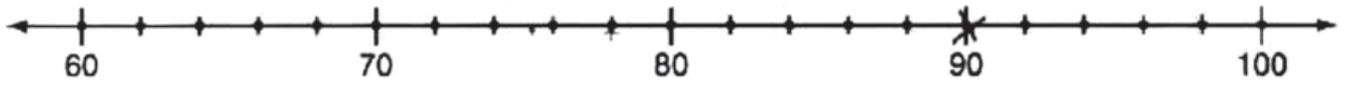
Put an "X" on the point that represents 10 more than 78.

11 Look at this number line.



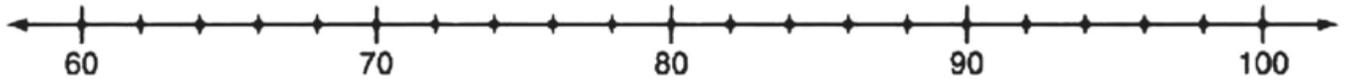
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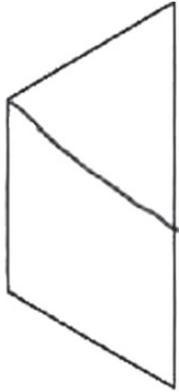
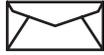


Put an "X" on the point that represents 10 more than 78.

88

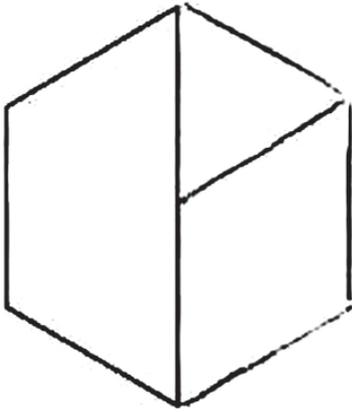
12

Look at the trapezoid below.



Use **two different** shapes from your envelope to make this trapezoid. Trace the shapes to show how they fit together to make this trapezoid.

12 Look at the trapezoid below. 



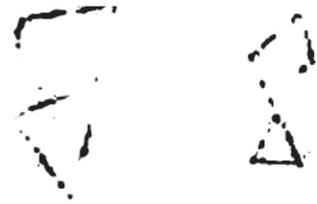
Use **two different** shapes from your envelope to make this trapezoid. Trace the shapes to show how they fit together to make this trapezoid.

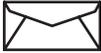


12 Look at the trapezoid below. 



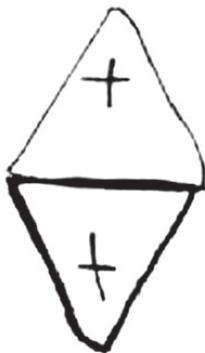
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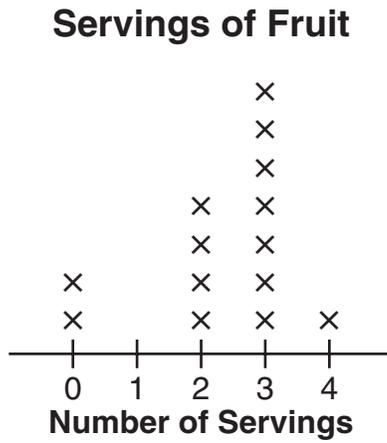
12 Look at the trapezoid below. 



Use **two different** shapes from your envelope to make this trapezoid. Trace the shapes to show how they fit together to make this trapezoid.



- 13 This line plot shows how many servings of fruit each of Mr. Langer's students had yesterday.

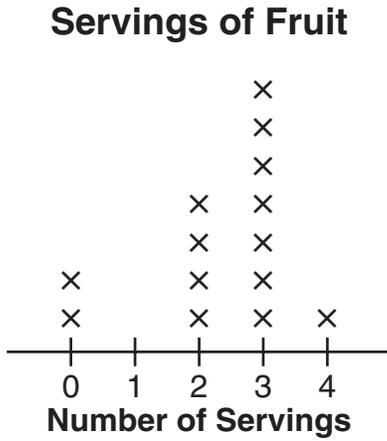


**Key**  
x represents 1 student

How many students had exactly one serving of fruit yesterday?

0

- 13 This line plot shows how many servings of fruit each of Mr. Langer's students had yesterday.

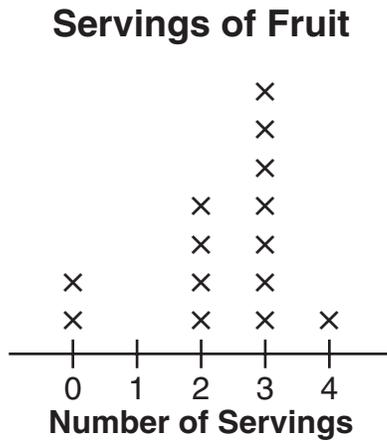


**Key**  
x represents 1 student

How many students had exactly one serving of fruit yesterday?

14 students had fruit yesterday.

- 13 This line plot shows how many servings of fruit each of Mr. Langer's students had yesterday.



**Key**  
x represents 1 student

How many students had exactly one serving of fruit yesterday?

In Mr. Langer's class number 4 only served 1 fruit.



- 14 Donny is solving this problem.

Nine birds are in a tree. Four of these birds are blue. The other birds are red. How many birds are red?

Donny wrote this number sentence.

$$9 + 4 = 13$$

- a. Explain how Donny's number sentence will or will not help him solve this problem.

There are only nine birds, so  
13 birds couldn't be red.

$$5 \quad 4 + 5 = 9$$



- 14 Donny is solving this problem.

Nine birds are in a tree. Four of these birds are blue. The other birds are red. How many birds are red?

Donny wrote this number sentence.

$$9 + 4 = 13$$

- a. Explain how Donny's number sentence will or will not help him solve this problem.

will not help him because he has a + sign  
not a - sign

- b. How many birds are red?





- 14 Donny is solving this problem.

Nine birds are in a tree. Four of these birds are blue. The other birds are red. How many birds are red?

Donny wrote this number sentence.

$$9 + 4 = \boxed{5}$$

- a. Explain how Donny's number sentence will or will not help him solve this problem.

by counting the birds

- b. How many birds are red?

5



- 14 Donny is solving this problem.

Nine birds are in a tree. Four of these birds are blue. The other birds are red. How many birds are red?

Donny wrote this number sentence.

$$9 + 4 = \square$$

- a. Explain how Donny's number sentence will or will not help him solve this problem.



- b. How many birds are red?





- 14 Donny is solving this problem.

Nine birds are in a tree. Four of these birds are blue. The other birds are red. How many birds are red?

Donny wrote this number sentence.

$$9 + 4 = 13$$

- a. Explain how Donny's number sentence will or will not help him solve this problem.

*It will help him solve the problem because you only have to add 9 more.*

- b. How many birds are red?

*9*



- 14 Donny is solving this problem.

Nine birds are in a tree. Four of these birds are blue. The other birds are red. How many birds are red?

Donny wrote this number sentence.

$$9 + 4 = \boxed{14}$$

- a. Explain how Donny's number sentence will or will not help him solve this problem.

he might figer it out

- b. How many birds are red?

14

15 Andrew had these coins.



He bought milk for 25¢ and cookies for 25¢.

How much money does Andrew have now? Use numbers, words, or pictures to show your work or explain how you know.



- 15 Andrew had these coins.



He bought milk for 25¢ and cookies for 25¢.

How much money does Andrew have now? Use numbers, words, or pictures to show your work or explain how you know.

$$75 - 50 = 25$$

- 15 Andrew had these coins.



He bought milk for 25¢ and cookies for 25¢.

How much money does Andrew have now? Use numbers, words, or pictures to show your work or explain how you know.

$$\begin{array}{r} 75 \\ - 25 \\ - 25 \\ \hline 30 \end{array}$$

Andrew has 30 cents left

- 15 Andrew had these coins.



He bought milk for 25¢ and cookies for 25¢.

How much money does Andrew have now? Use numbers, words, or pictures to show your work or explain how you know.

Andrew has 25¢ left

- 15 Andrew had these coins.



He bought milk for 25¢ and cookies for 25¢.

How much money does Andrew have now? Use numbers, words, or pictures to show your work or explain how you know.

35¢

- 15 Andrew had these coins.



He bought milk for 25¢ and cookies for 25¢.

How much money does Andrew have now? Use numbers, words, or pictures to show your work or explain how you know.

25 coins left.

- 16 a. Write a number in the box to make this number sentence true.

$$3 + 6 = \boxed{4} + 5$$

a) Student's answer is correct.  
(1 point)

- b. Write the numbers 8, 6, 2, and 4 in the boxes to make this number sentence true. Use each number only once.

$$\boxed{8} + \boxed{2} = \boxed{4} + \boxed{6}$$

- 16 a. Write a number in the box to make this number sentence true.

$$3 + 6 = \square + 5$$

4 makes  
this number  
sentence  
true.

- b. Write the numbers 8, 6, 2, and 4 in the boxes to make this number sentence true. Use each number only once.

$$\boxed{6} + \boxed{4} = \boxed{8} + \boxed{2}$$

- 16 a. Write a number in the box to make this number sentence true.

$$3 + 6 = \square + 5$$

a) No response  
(0 points)

- b. Write the numbers 8, 6, 2, and 4 in the boxes to make this number sentence true. Use each number only once.

$$\boxed{2} + \boxed{8} = \boxed{4} + \boxed{6}$$

- 16 a. Write a number in the box to make this number sentence true.

$$3 + 6 = \boxed{4} + 5$$

a) Student's answer is correct. (1 point)

- b. Write the numbers 8, 6, 2, and 4 in the boxes to make this number sentence true. Use each number only once.

$$\boxed{8} + \boxed{6} = \boxed{2} + \boxed{4}$$

- 16 a. Write a number in the box to make this number sentence true.

$$3 + 6 = \square + 5$$

a) No response  
(0 points)

- b. Write the numbers 8, 6, 2, and 4 in the boxes to make this number sentence true. Use each number only once.

$$\boxed{4} + \boxed{2} = \boxed{6} + \boxed{8}$$

- 16 a. Write a number in the box to make this number sentence true.

$$3 + 6 = \boxed{9} + 5$$

a) Student's answer is incorrect. (0 points)

- b. Write the numbers 8, 6, 2, and 4 in the boxes to make this number sentence true. Use each number only once.

$$\boxed{2} + \boxed{4} = \boxed{6} + \boxed{8}$$