



**NEW ENGLAND
COMMON ASSESSMENT PROGRAM**

**Released Items
2013**

**Grade 3
Mathematics**

Mathematics

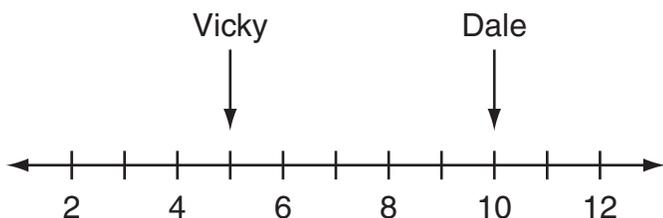


Items with this symbol were selected from Session One—no calculators or other mathematics tools allowed.



- 1 There are 32 children on a bus. Some children are sitting on the left side of the bus and some children are sitting on the right side of the bus. How many children might be on each side of the bus?
- A. 30 on the left and 12 on the right
 - B. 12 on the left and 20 on the right
 - C. 26 on the left and 16 on the right
 - D. 32 on the left and 32 on the right

- 2 This number line shows the number of baseball cards Vicky and Dale each have.



Russell has **more** cards than Vicky and **fewer** cards than Dale. Which list shows only the numbers of baseball cards Russell could have?

- A. 6, 7, 8, 9
- B. 5, 6, 7, 8, 9, 10
- C. 2, 3, 4, 5, 6, 7, 8, 9
- D. 6, 7, 8, 9, 10, 11, 12



- 3 Max, Seth, and Pedro each have some markers.
- Max has 3 markers.
 - Seth has 2 **fewer** markers than Max.
 - Pedro has 5 **more** markers than Seth.

How many markers does Pedro have?

- A. 1
- B. 5
- C. 6
- D. 10



- 4 Laura has 6 dolls. How many more dolls does Laura need so she has 25 dolls altogether?

- A. 19
- B. 21
- C. 29
- D. 31



5 Jennifer bought a pencil that costs \$0.37. She paid with two quarters. Which set of coins shows the correct amount of change Jennifer received?

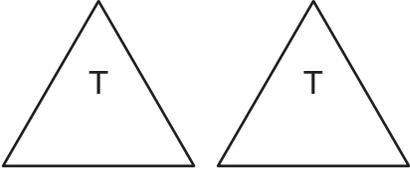
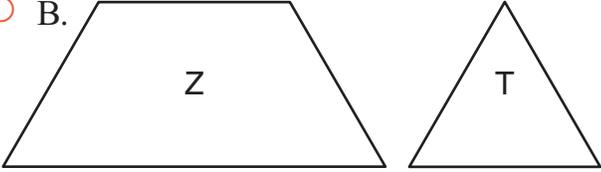
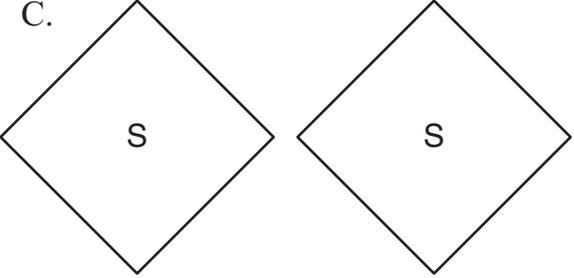
- A. 
- B. 
- C. 
- D. 

6 You may use the shapes from your envelope to help you answer this question. 

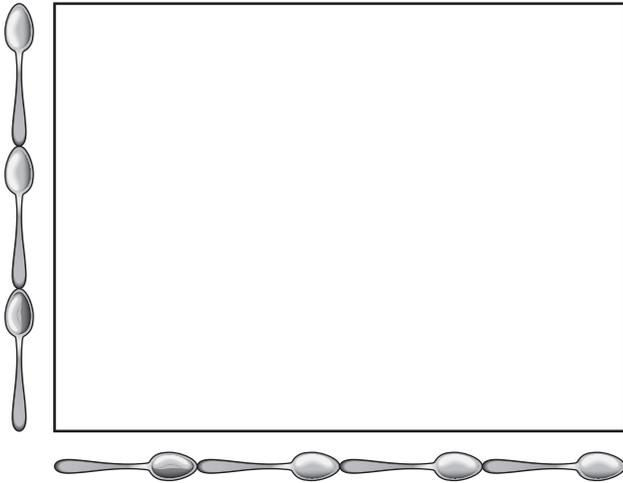
Lilly put two shapes next to each other without any gaps or overlaps to make a new shape.

- The new shape has exactly four sides.
- All four sides are the same length.

Which two shapes did Lilly use?

- A. 
- B. 
- C. 
- D. 

- 7 Sharon is using spoons to measure the perimeter of this rectangle.



What is the perimeter of this rectangle in spoons?

- A. 7
- B. 12
- C. 14
- D. 16

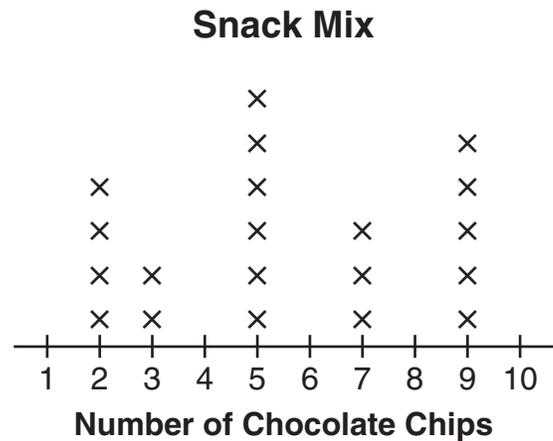
- 8 Look at this number sentence.

$$10 - 6 = \boxed{?} - 1$$

What number makes this number sentence true?

- A. 3
- B. 4
- C. 5
- D. 6

- 9 This line plot shows the number of chocolate chips in each bag of snack mix sold at a store.



Key
× represents 1 bag

How many more bags had 5 chocolate chips than had 2 chocolate chips?

- A. 2
- B. 3
- C. 6
- D. 7

10 Mrs. Anderson made a pictograph to show the numbers of elephants at three different zoos. She used this information to make the pictograph.

- Park Zoo has 4 elephants.
- King Zoo has 1 fewer elephant than Park Zoo.
- Hill Zoo has 2 elephants.

Which pictograph did Mrs. Anderson make?

Elephants

Zoo	Number of Elephants
Park Zoo	
King Zoo	
Hill Zoo	

A.

Key

 represents 1 elephant

Elephants

Zoo	Number of Elephants
Park Zoo	
King Zoo	
Hill Zoo	

B.

Key

 represents 1 elephant

Elephants

Zoo	Number of Elephants
Park Zoo	
King Zoo	
Hill Zoo	

C.

Key

 represents 1 elephant

Elephants

Zoo	Number of Elephants
Park Zoo	
King Zoo	
Hill Zoo	

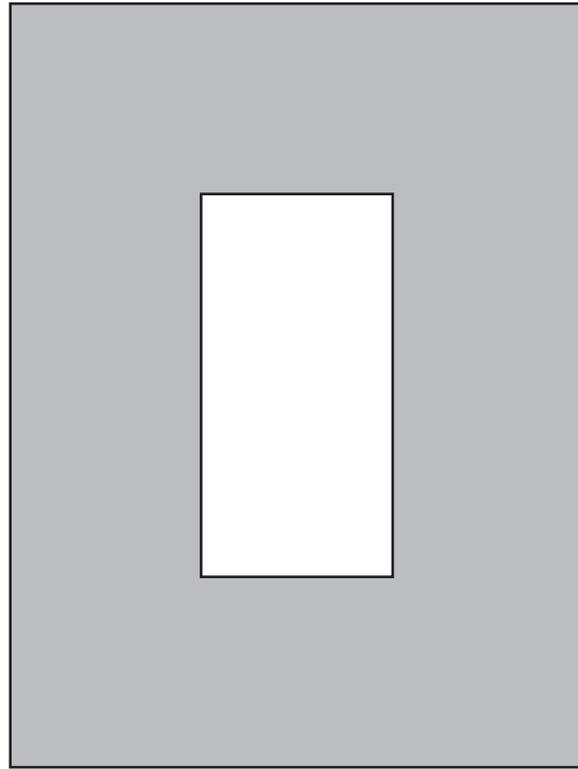
D.

Key

 represents 1 elephant

- 11 Tyrone will give **exactly** 47¢ to his friend. Show or name a set of coins that Tyrone could give to his friend.

- 12 Use the square-inch tiles from your envelope to find the area of the shape shaded gray.



What is the area of the shape shaded gray? Write your answer on the line below.

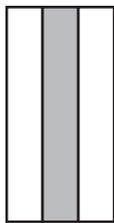
_____ square inches

- 13 This tally chart shows the number of students in three different classes.

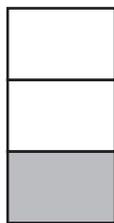
Class	Number of Students
Mr. Harrison's	
Miss Kay's	
Mrs. Garcia's	

Rosa said, "I can use this tally chart to tell how many **boys** are in Miss Kay's class." Explain why Rosa's statement is correct or why Rosa's statement is incorrect.

14 Four students shaded these shapes gray to show $\frac{1}{3}$ of a whole.



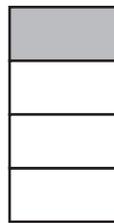
Eva



Zach



Ginny



Walter

Which students showed $\frac{1}{3}$ correctly? Explain how you know.

15 Look at this number line.



a. Circle the point on the number line that represents 10 more than 124.

b. What number is 100 less than the number you circled in part a?

16 Latoya made this number pattern. She covered some of the numbers with shapes.

14, , 22, 26, 30, 

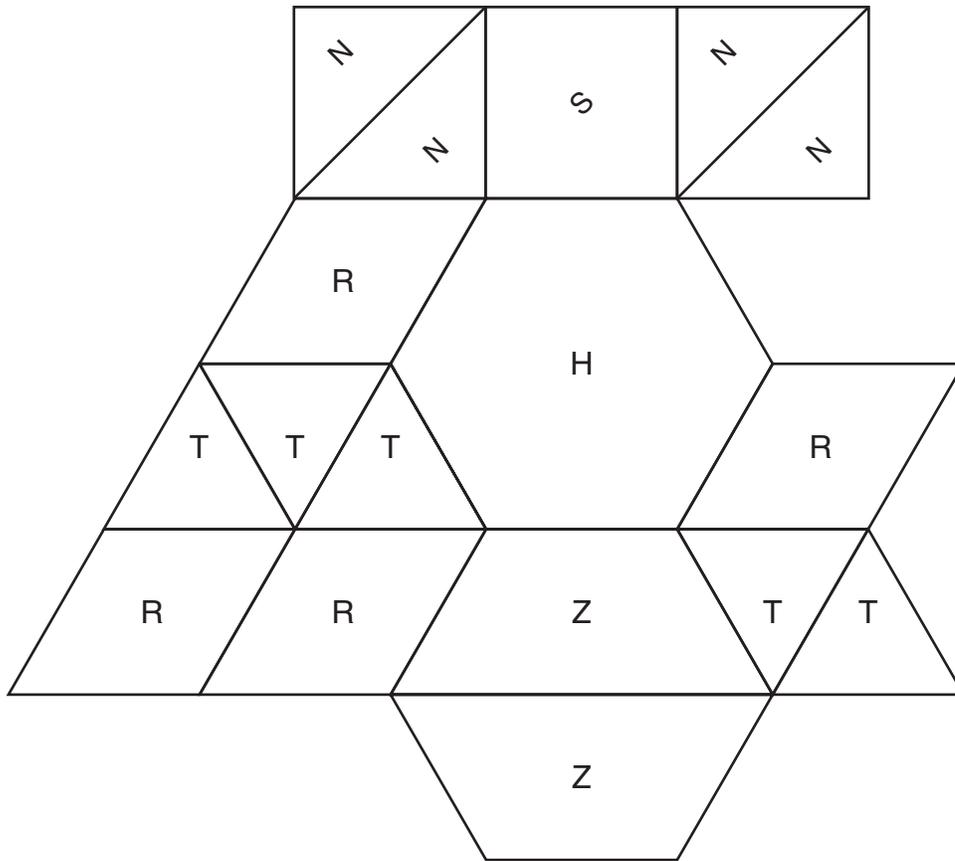
a. What number did Latoya cover with ?

b. What number did Latoya cover with ?

New England Common Assessment Program

Mathematics Tool Kit – Grade 3

Use the shapes to answer questions on the mathematics test.



square-inch tile	square-inch tile	square-inch tile	square-inch tile	square-inch tile
square-inch tile	square-inch tile	square-inch tile	square-inch tile	square-inch tile