New York State Testing Program

Mathematics Test
Book 3

Grade **4**

March 5–9, 2007

Name _____

Book 3

Tips for taking the test

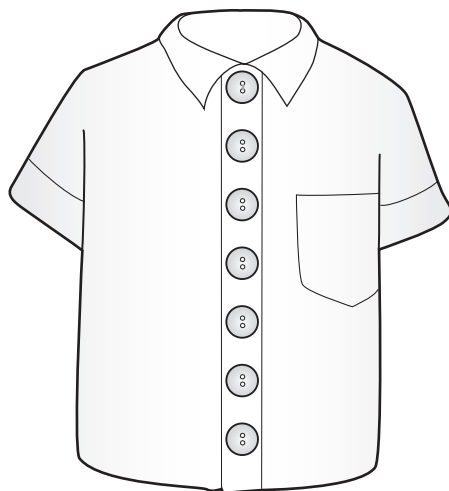Here are some suggestions to help you do your best:

- Be sure to read carefully all the directions in the test book.
- Read each question carefully and think about the answer before writing your response.
- Be sure to show your work when asked. You may receive partial credit if you have shown your work.

This picture means that you will use your ruler.

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Book 3

Page 1

40   A store has 50 shirts like the one shown below.

There are 7 buttons on each shirt. What is the total number of buttons on all 50 shirts?

Show your work.

Answer _____ buttons

Go On

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Page 3

41 Mr. Lester reads aloud the math problem below.

Two times four times six equals what number?

Part A

Julian wrote Mr. Lester's problem this way.

$(2 \times 4) \times 6 = ?$

Fill in both blanks in Julian's number sentence below to show the next step in solving the math problem.

$(2 \times 4) \times 6 = ?$

$\underline{\hspace{2cm}} \times 6 = \underline{\hspace{2cm}}$

Part B

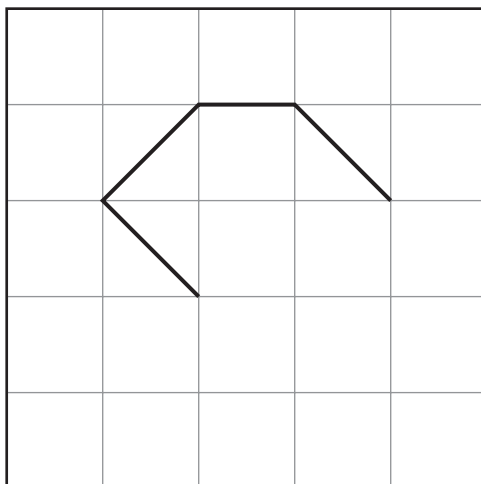Kiana wrote Mr. Lester's problem this way.

$2 \times (4 \times 6) = ?$

Fill in both blanks in Kiana's number sentence below to show the next step in solving the math problem.

$2 \times (4 \times 6) = ?$

$2 \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

42 Eric draws a polygon on grid paper. The figure below shows the first 4 sides of Eric's polygon.

Part A

Complete Eric's polygon by drawing 2 more line segments on the grid above.

Part B

What is the name of the completed polygon?

Answer _____

Go On

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Page 5

43 Mr. Perez is going to buy food for a school party. He needs to buy 64 juice boxes. The juice is sold in packages of 4 juice boxes each. Mr. Perez uses the number sentence below to find the number of packages he should buy.

$$64 \div 4 = \boxed{}$$

Part A

What number belongs in the box to make the number sentence correct?

Answer _____

Part B

Mr. Perez will also buy 10 packages of cookies. Each package has 12 cookies. Write a number sentence that finds the total number of cookies Mr. Perez will buy. Use the numbers 10 and 12 in your number sentence.

Number sentence _____

44 Juanita is buying a bookcase for her room. She measures the width of the bookcase. It is 2 feet 10 inches wide. How wide, in inches, is the bookcase?

Show your work.

Answer _____ inches

45 Jane, Mark, and Veronica play a number guessing game.

> Jane's number is 1,200 more than Mark's number.
> Mark's number is 3,000 less than Veronica's number.
> Veronica's number is 4,500.

What is Jane's number?

Show your work.

Answer _____

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Page 7

46 Tony bought art supplies that cost $19.31. He gave $20.00 to the cashier.

Part A

How much money did Tony receive in change?

Answer $ _____

Part B

Complete the table below to show the number of each type of coin Tony would receive in change if he received the **fewest** number of coins possible.

TONY'S CHANGE

Type of Coin	Number of Coins
Penny	
Nickel	
Dime	
Quarter	

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47   Mr. Muli grows lettuce and carrots in his garden.

Part A

Mr. Muli has 9 rows of lettuce in his garden. Each row has 12 lettuce plants. What is the total number of lettuce plants in Mr. Muli's garden?

Answer _____ lettuce plants

Part B

Mr. Muli plants a total of 42 carrots in 3 rows of his garden. He plants an equal number of carrots in each row. How many carrots does Mr. Muli plant in each row?

Show your work.

Answer _____ carrots

Go On

48 The students in Mr. Martin's class voted on topics for their class mural. The results are shown in the table below.
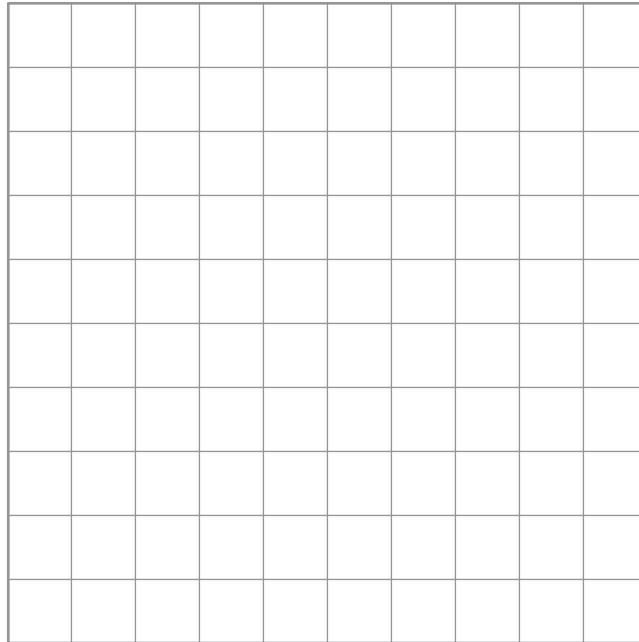
CLASS MURAL TOPICS

Topic	Number of Votes
Pets	8
Maps	5
Sports	7
Books	3

On the grid below, make a bar graph to show how many students voted for each topic.

Be sure to

- title the graph
- label both axes
- provide a scale for the graph
- graph all the data

STOP

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