



New York State Testing Program

Mathematics Book 1

Grade **4**

Sample Test 2005

TIPS FOR TAKING THE SAMPLE TEST

Here are some suggestions to help you do your best:

- Be sure to read carefully all the directions in the test book.
- You may use your tools to help you solve any problem on the test.
- Read each question carefully and think about the answer before choosing your response.



This picture means that you will use your ruler.



This picture means that you will use your pattern blocks.



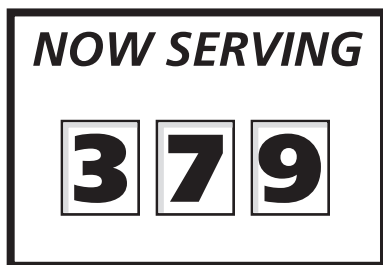
This picture means that you will use your counters.

Sample A

$$\begin{array}{r} 227 \\ + 14 \\ \hline \end{array}$$

- A 311
- B 241
- C 231
- D 232

Sample B



What number will be served next?



F



G



H



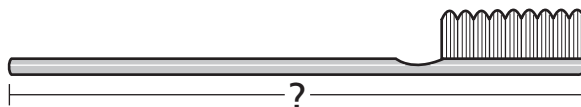
J

Sample C



Use your ruler to help you solve this problem.

How many inches long is the toothbrush shown below?



- A 2
- B $2\frac{1}{2}$
- C 3
- D $3\frac{1}{2}$

STOP

1

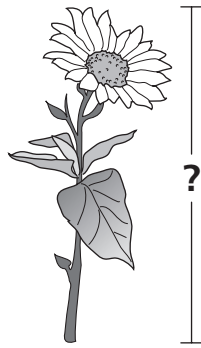
What is another way to write two thousand seven hundred nine?

- A 2,079
- B 2,709
- C 2,790
- D 2,907

2

Use your ruler to help you solve this problem.

Mandy drew the picture of the sunflower shown below.



How tall, in inches, is the picture of the sunflower?

- F $1\frac{1}{2}$
- G $1\frac{3}{4}$
- H $2\frac{1}{4}$
- J $2\frac{3}{4}$

Go On

3 Which is the same as 3 thousands?

- A 30 tens
- B 300 ones
- C 3 hundreds
- D 30 hundreds

4 There are 8 chairs at each table in a cafeteria. There are 96 chairs in all. Which number sentence can be used to find the number of **tables** in the cafeteria?

F $8 \times 96 = \square$

G $96 - \square = 8$

H $8 + \square = 96$

J $96 \div 8 = \square$

5 On Saturday, there were 3,271 people at a baseball game. On Sunday, 5,844 people came to the game. What was the total number of people at the two games?

- A 8,115
- B 8,015
- C 9,015
- D 9,115

6

Donnell's lunch costs \$4.40. He gives \$5.00 to the cashier. How much change should Donnell receive?



F



H



G



J



7

Paul has 50¢. Pencils cost 7¢ each. What is the greatest number of pencils Paul can buy?

A 6

B 7

C 8

D 9

Go On

8 By how much would the value of 6,509 change if the digit 6 were replaced with the digit 4?

- F** 2
- G** 4
- H** 2,000
- J** 4,000

9 There are a total of 200 goldfish in 10 fish tanks at a pet store. Each fish tank has the same number of goldfish. How many goldfish are there in each tank?

- A** 2
- B** 20
- C** 200
- D** 2,000

10 There were 237 people who went to a theater. Of those people, 127 arrived early and 68 arrived on time. The rest of the people arrived late. How many people arrived late?

- F** 42
- G** 59
- H** 110
- J** 195

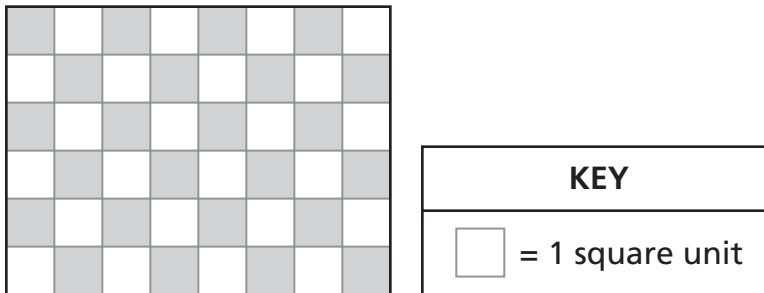
11

A machine in a candy factory can wrap 74 lollipops in 1 minute. How many lollipops can the machine wrap in 6 minutes?

- A 424
- B 430
- C 444
- D 462

12

Look at the rectangular tablecloth shown below.



What is the area, in square units, of the tablecloth?

- F 14
- G 24
- H 28
- J 48

13 If $468 \div 26 = 18$, which equation must also be true?

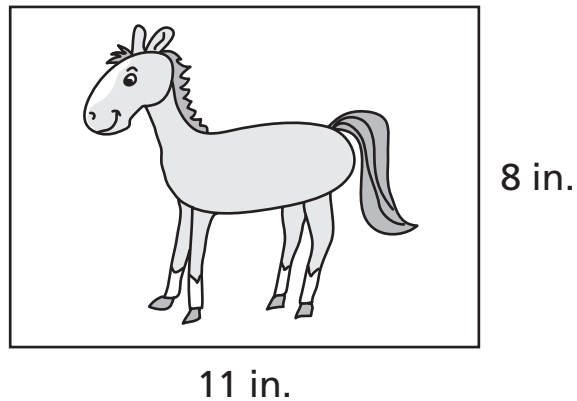
A $18 + 26 = 468$

B $26 \times 26 = 468$

C $18 \times 26 = 468$

D $26 \div 18 = 468$

14 Lisa drew a picture of a horse on a sheet of paper, as shown below.



[not drawn to scale]

Lisa needs to find the perimeter of the sheet of paper in order to make a frame kit for it. What is the perimeter of the sheet of paper?

F 19 inches

G 30 inches

H 38 inches

J 88 inches

- 15** Aseem wrote the number sentence shown below.

$$\square > 10 + 14$$

Which number belongs in the box to make the number sentence true?

- A** 14
- B** 18
- C** 24
- D** 28

- 16** Ms. Peters bought 32 calculators for her class. Each calculator cost \$18. Which is the best **estimate** of the total cost of the calculators?

- F** \$300
- G** \$400
- H** \$600
- J** \$800

- 17** Mr. Collins chopped 18 logs. He chopped each log into 6 pieces of firewood. How many pieces of firewood did Mr. Collins chop?

- A** 3
- B** 24
- C** 68
- D** 108

18 Which statement is correct?

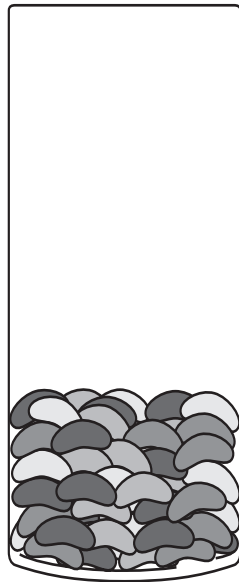
F $(4 \times 6) \times 3 = 4 \times (6 \times 3)$

G $(4 \times 6) \times 3 = 4 \times (6 + 3)$

H $(4 \times 6) \times 3 = (4 \times 6) + 3$

J $(4 \times 6) \times 3 = (4 + 6) \times 3$

19 Casey put 98 jelly beans in the jar shown below.



About how many **more** beans are needed to fill the jar?

A 100

B 200

C 300

D 400

20

Janice is bringing 6 boxes of cookies to a party. The table below shows the total cost of cookies based on the number of boxes of cookies bought.

COOKIES

Number of Boxes	Total Cost
2	\$5.00
3	\$7.50
4	\$10.00

If the pattern in the table continues, how much will it cost for Janice to buy 6 boxes of cookies?

- F \$12.50
- G \$14.00
- H \$15.00
- J \$16.50

21

At 3:30 P.M., Ms. Salino began to cook some chili. She cooked the chili until 5:00 P.M. How long did Ms. Salino cook the chili?

- A 1 hour
- B 1 hour, 30 minutes
- C 2 hours
- D 2 hours, 30 minutes

Go On

22 Which In-Out table follows the rule below?

$$\text{In} - 7 = \text{Out}$$

F

In	Out
10	3
11	5
12	7
13	9

H

In	Out
10	7
11	8
12	9
13	10

G

In	Out
10	17
11	18
12	19
13	20

J

In	Out
10	3
11	4
12	5
13	6

23 On Monday it started to rain at 1:30 P.M. It stopped raining 2 hours 30 minutes later. What time did it stop raining?

- A** 3:00 P.M.
- B** 3:30 P.M.
- C** 4:00 P.M.
- D** 4:30 P.M.

24 Which measurement is **most likely** the width of a sheet of notebook paper?

F 8 kilometers

G 8 inches

H 8 meters

J 8 yards

25 Daniel, Kayla, and Shakira each ordered the same size pizza. The table below shows what fraction of their pizza each student ate.

PIZZAS

Student	Fraction of Pizza Eaten
Daniel	$\frac{1}{4}$
Kayla	$\frac{1}{2}$
Shakira	$\frac{1}{3}$

Which group of fractions shows the amounts of pizza eaten in order from **least to greatest**?

A $\frac{1}{4}$ $\frac{1}{3}$ $\frac{1}{2}$

B $\frac{1}{4}$ $\frac{1}{2}$ $\frac{1}{3}$





C $\frac{1}{2}$ $\frac{1}{4}$ $\frac{1}{3}$


D $\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$

26

Wendy practices hitting baseballs every day after school. The pictograph below shows the number of baseballs she hits over four weeks.

WENDY'S BASEBALL PRACTICE

Week	Number of Baseballs Hit
1	
2	
3	
4	

KEY
 = 4 baseballs

If the pattern continues, how many baseballs will Wendy **most likely** hit in week 6?

- F 7
- G 9
- H 28
- J 36

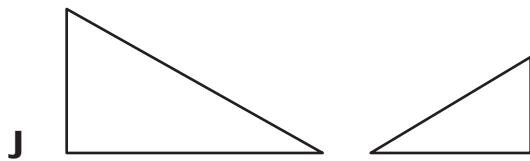
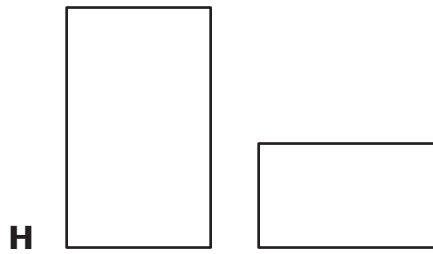
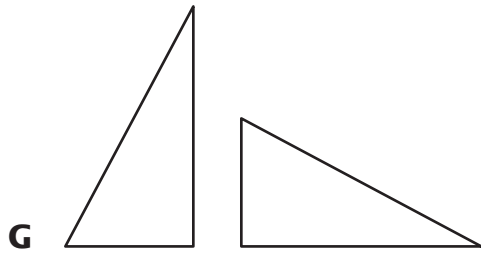
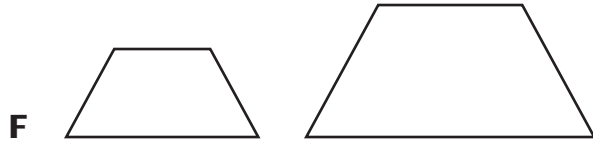
27

Which unit of measure is **best** for measuring the amount of water a bottlecap can hold?

- A centimeter
- B kilogram
- C liter
- D milliliter

28

Which pair of shapes is congruent?



Go On

29 Which unit of measure is **best** for measuring how much a bicycle weighs?

- A gram
- B liter
- C ounce
- D kilogram

30 Which combination of numbers **always** results in an odd number?

- F odd \times odd
- G even \times even
- H odd \times even \times even
- J even \times odd \times odd

STOP



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