New York State Testing Program

Mathematics
Book 1

Grade **3**

March 6–10, 2006

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.
- 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.

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Book 1

Page 1

Sample A

227
+ 14

A 311

B 241

C 231

D 232

Sample B

NOW SERVING

3 7 9

What number will be served next?

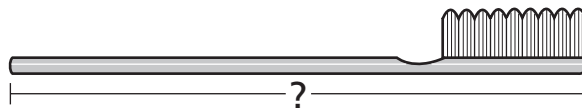| 389	381	479	380
F	**G**	**H**	**J**

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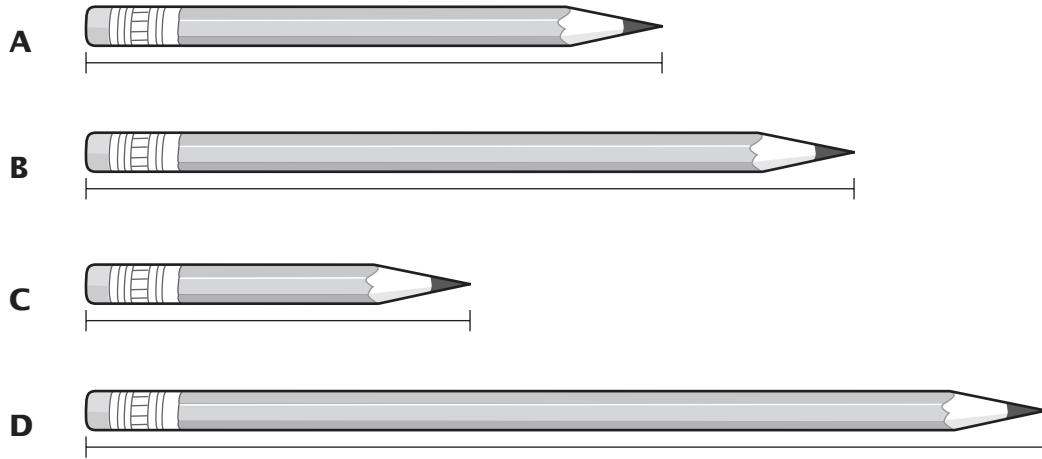
D $3\frac{1}{2}$

STOP

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Book 1

Page **3**

1 Use your ruler to help you solve this problem.

Which pencil is closest to 4 inches long?

A

B

C

D

2 What is the value of 3 in the number 352?

F   3

G   30

H   300

J   350

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Book 1

Page **5**

3 Adrian spent the coins shown below at the school store.

How much money did Adrian spend?

A $0.68

B $0.83

C $0.88

D $0.93

4 Carmen writes the number sentence below.

$$218 > \square$$

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

F   211

G   218

H   222

J   230

5 Ms. Curry sees the sign below when she drives into Piketown.

Welcome to
PIKETOWN
Population
820

What is the population of Piketown?

A eighty-two

B eight hundred two

C eight hundred twenty

D eighty-two hundred

6 This year, members of the school band sold 243 tickets for the spring concert. Last year, they sold 227 tickets. How many more tickets did the band members sell this year than last year?

F 14

G 16

H 24

J 26

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Book 1

Page **7**

7 Josie plays a number game. She uses the numbers below to make larger numbers.

3   8   9

What is the largest number Josie can make with the 8 in the ones place?

A   398

B   839

C   938

D   983

8 Which set of numbers has only odd numbers?

F   3, 11, 14, 21, 23

G   4, 6, 8, 10, 12

H   13, 14, 15, 16, 17

J   3, 11, 15, 23, 25

9 Ms. Ramos writes the number sentence below on the chalkboard.

$3 \times 7 = \square$

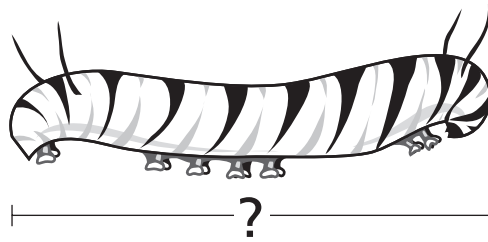What number belongs in the box to make the number sentence correct?

A   18

B   21

C   24

D   28

10 Use your ruler to help you solve this problem.

How many inches long is the bug shown below?

F $1\frac{1}{2}$

G 2

H $2\frac{1}{2}$

J 3

11 On Saturday, 235 people went to a book fair. On Sunday, 193 people went to the book fair. How many more people went to the book fair on Saturday than on Sunday?

A 42

B 52

C 142

D 162

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Book 1

Page **9**

12 Mr. Arthur made 9 pancakes for his 3 children. All 9 pancakes were shared equally among his 3 children. Which expression can be used to find the number of pancakes each child ate?

F 3×9

G $3 \div 9$

H $9 - 3$

J $9 \div 3$

13 Amanda buys a package of animal stickers that costs $1.38. Which picture shows $1.38?
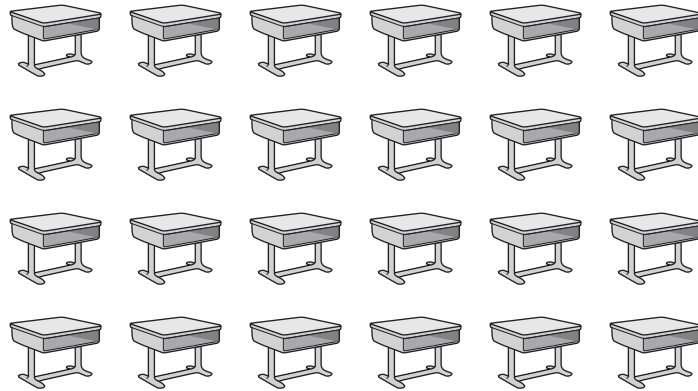
A

B

C

D

Book 1

14 The drawing below shows the desks in Mr. Khan's classroom.

Which expression can be used to find the total number of desks in Mr. Khan's classroom?

F 6 + 4

G 4 × 4 × 4

H 4 × 6

J 6 + 6 + 6

15 Raj wrote the number sentences below.

$$8 \times \square = 8 \qquad 15 \times \square = 15$$

What number belongs in the boxes to make both number sentences correct?

A 0

B 1

C 8

D 15

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Book 1

Page 11

16 Ian has 48 red paper clips, 61 blue paper clips, and 53 green paper clips. Which is the best way to estimate the total number of Ian's paper clips?
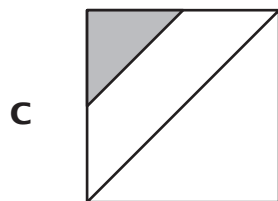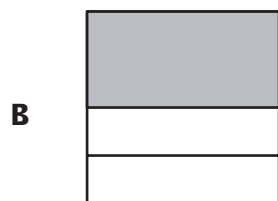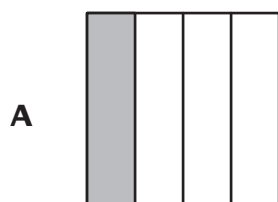
F 40 + 60 + 50

G 50 + 60 + 50

H 50 + 60 + 60

J 50 + 70 + 60

17 Which figure is $\frac{1}{3}$ shaded?

A

B

C

D
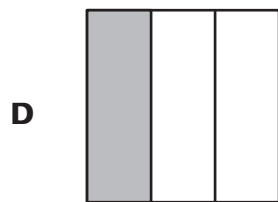
18   What is the time on the clock below?
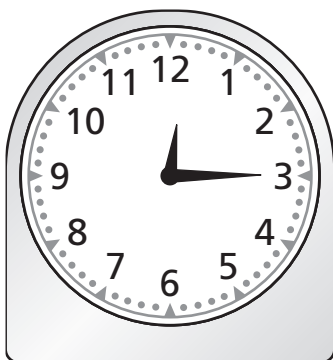
    F   3:00

    G   3:12

    H   12:03

    J   12:15

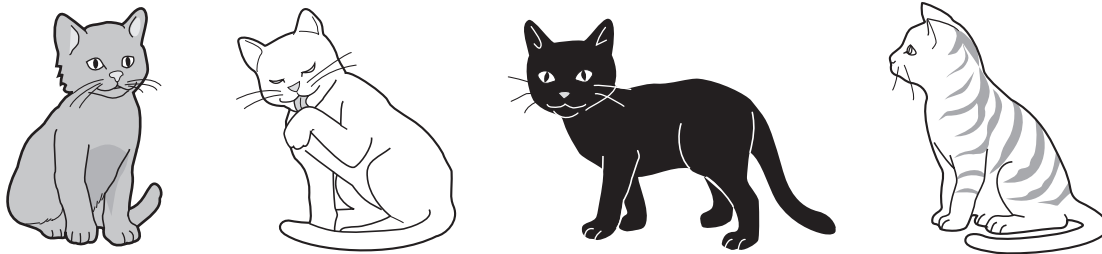**19**   There are 30 rabbits in 5 rabbit holes. Each hole has the same number of rabbits. How many rabbits are in each hole?

    A   4

    B   5

    C   6

    D   7

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Book 1

Page **13**

20 Erin's cat had the 4 kittens shown below.

What fraction of the set of kittens is black?

F $\frac{1}{3}$

G $\frac{1}{4}$

H $\frac{2}{4}$

J $\frac{4}{1}$

21 Which number belongs in the box to make the number sentence correct?

$$\square < 309$$

A 275

B 309

C 380

D 400

Book 1

22 What is the shape of the soup can shown below?

F cone

G cube

H cylinder

J sphere

23 The drawing below shows the number of students who ride three buses to Maple School.
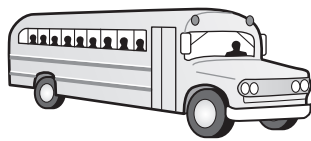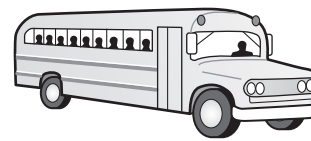
Bus 1   **Bus 2**   **Bus 3**
62 students   53 students   49 students

Which is the **best estimate** of the total number of students who ride the three buses?

A 140

B 150

C 160

D 170

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Book 1

Page 15

24 Liko writes the number pattern below.

$$48, 42, 36, 30, 24, \underline{\hspace{1cm}}$$

Which rule can be used to find the next number in the pattern?

F add 6

G subtract 6

H multiply by 6

J divide by 6

25 The number of skateboards sold at a store during a 3-month period is shown on the pictograph below.

SKATEBOARDS SOLD

Month	Number of Skateboards
April	
May	
June	

KEY
= 10 skateboards

How many skateboards were sold in April?

A 3

B 4

C 20

D 30

STOP

Grade 3

Mathematics

Book 1

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