New York State Testing Program

Mathematics Test
Book 1

Grade 3

May 5–7, 2010

21645

Developed and published by CTB/McGraw-Hill LLC, a subsidiary of The McGraw-Hill Companies, Inc., 20 Ryan Ranch Road, Monterey, California 93940-5703.
Copyright © 2010 by the New York State Education Department. All rights reserved. No part of this publication may be reproduced or distributed in any form or by any means, or stored in a database or retrieval system, without the prior written permission of the New York State Education Department.

Book 1

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 choosing your response.

This picture means that you will use your ruler.

Sample A

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

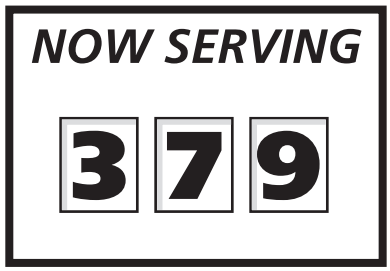
A 311

B 241

C 231

D 232

Sample B



What number will be served next?

A

B

C

D

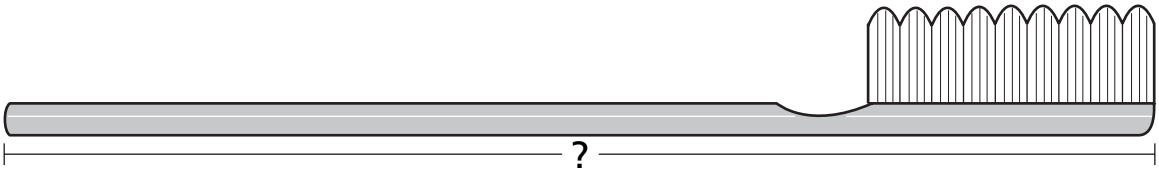
Go On

■ **SECURE MATERIAL** ■
Do not reproduce. Do not discuss contents until end of designated makeup schedule.

Sample C

Use your ruler to help you solve this problem.

How many inches long is the toothbrush shown below?



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

B 5

C $5\frac{1}{2}$

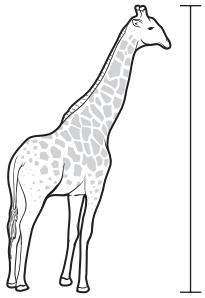
D 6

STOP

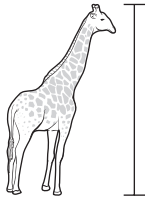
1 Use your ruler to help you solve this problem.

Helen wants to buy a giraffe sticker that is 2 inches tall. Which giraffe sticker is 2 inches tall?

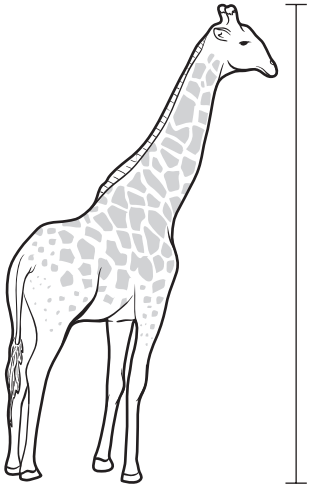
A



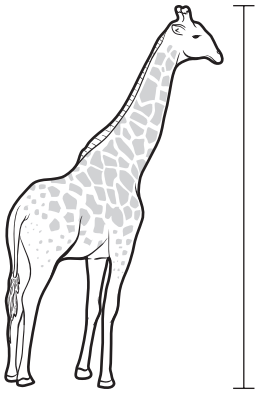
B



C



D



Go On

■ SECURE MATERIAL ■
Do not reproduce. Do not discuss contents until end of designated makeup schedule.

2 What number is seven hundred sixty?

A 76

B 706

C 760

D 7,006

3 A bus has 14 rows with 4 passenger seats in each row. What is the total number of passenger seats on the bus?

A 18

B 46

C 48

D 56

4 Kim says she is thinking of a number that is greater than 17. Her number is an **odd** number. Which number could be Kim's number?

A 15

B 16

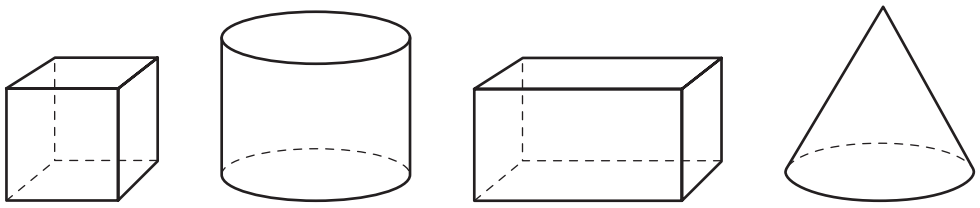
C 25

D 26

Go On

■ SECURE MATERIAL ■
Do not reproduce. Do not discuss contents until end of designated makeup schedule.

5 Chad's brother is playing with toy blocks like the ones shown below.



Block A Block B Block C Block D

Which toy block is the shape of a cylinder?

A Block A

B Block B

C Block C

D Block D

6 Manny has 43 books. Which value is the same as 43?

A 43 tens

B 43 hundreds

C 3 tens and 4 ones

D 4 tens and 3 ones

Go On

7 Yolanda buys a video game. She gets $0.46 back in change. Which group of coins shows exactly $0.46?

A

Quarter Dime Dime Dime Penny

B

Quarter Dime Dime Nickel Penny

C

Quarter Dime Nickel Nickel Penny

D

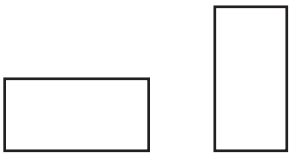
Quarter Quarter Dime Nickel Penny

Go On

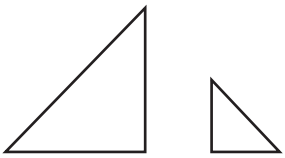
■ SECURE MATERIAL ■
Do not reproduce. Do not discuss contents until end of designated makeup schedule.

8 Which set has shapes that are congruent?

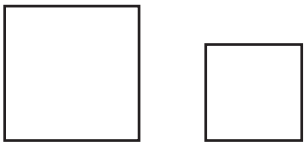
A



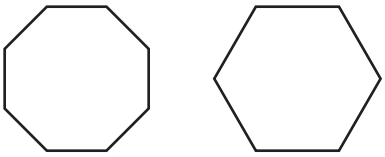
B



C



D



Go On

■ SECURE MATERIAL ■
Do not reproduce. Do not discuss contents
until end of designated makeup schedule.

9 There were 9 people fishing at a lake. Each person caught 6 fish. What was the total number of fish caught by the 9 people?

A 15

B 48

C 54

D 62

10 The drawing below shows the number of pumpkins in Tyler's pumpkin patch.

Which expression can be used to find the total number of pumpkins in Tyler's pumpkin patch?

A 3×6

B $6 + 3$

C $3 + 3 + 3$

D $6 \times 6 \times 6$

Go On

■ SECURE MATERIAL ■
Do not reproduce. Do not discuss contents until end of designated makeup schedule.

11 What number belongs on the line below to make the number sentence true?

$9 \times \underline{\quad ? \quad} = 0$

A 0

B 1

C 3

D 9

12 Cameron is adding the numbers in the expression below.

$38 + 71 + 52$

Which is the most reasonable expression for Cameron to use to check his answer using estimation?

A $30 + 70 + 50$

B $30 + 80 + 60$

C $40 + 70 + 50$

D $40 + 80 + 60$

13 A store had 9 rugs and sold 5 of the rugs. Which number sentence can be used to find the number of rugs left in the store?

A $5 \times 9 = \underline{\quad ? \quad}$

B $5 - 9 = \underline{\quad ? \quad}$

C $9 + 5 = \underline{\quad ? \quad}$

D $9 - 5 = \underline{\quad ? \quad}$

Go On

14 Meggie used the expression below to find the total number of flowers in her garden.

4×3

What is another way to write this expression?

A $3 + 4$

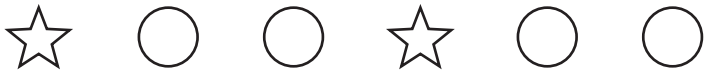
B 3×4

C $4 \times 4 \times 4$

D $3 + 3 + 3$

15 Justin drew the pattern of shapes below.

Which pattern follows the same rule as the pattern above?

A 

B

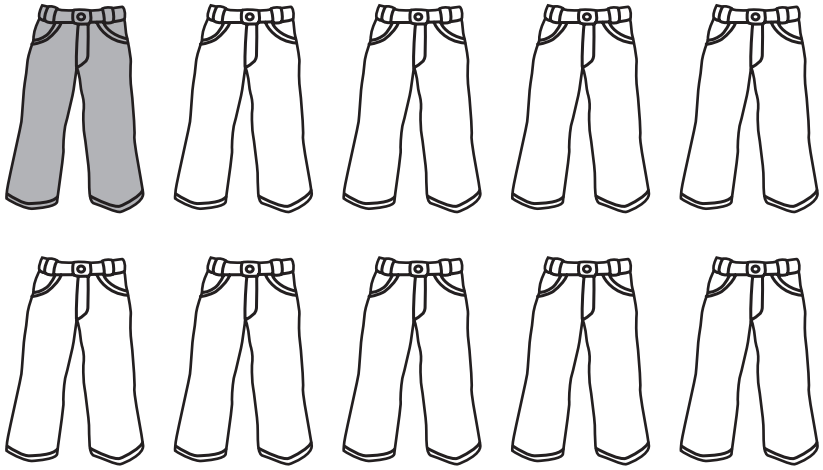
C

D

Go On

■ SECURE MATERIAL ■
Do not reproduce. Do not discuss contents until end of designated makeup schedule.

16 Hannah owns the pants shown below.



What fraction of the set of pants are gray?

A $\frac{1}{4}$

B $\frac{1}{5}$

C $\frac{1}{9}$

D $\frac{1}{10}$

17 Which number sentence is true?

A $65 < 60$

B $25 < 30$

C $15 > 25$

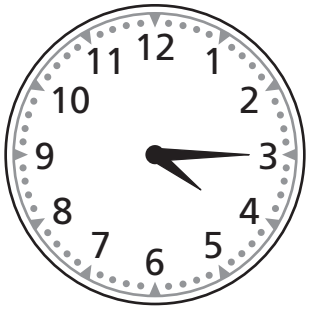
D $30 > 55$

Go On

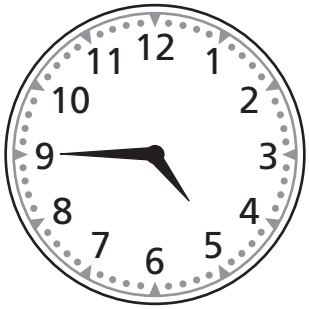
■ SECURE MATERIAL ■
Do not reproduce. Do not discuss contents
until end of designated makeup schedule.

18 Soccer practice starts at 4:15 P.M. Which clock shows 4:15 P.M.?

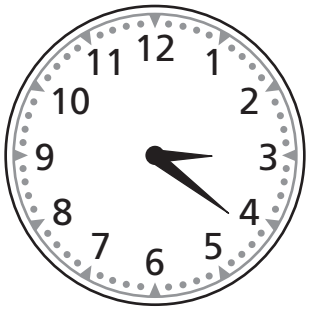
A



B



C



D

Go On

■ **SECURE MATERIAL** ■
Do not reproduce. Do not discuss contents until end of designated makeup schedule.

19 The number of cameras sold at a store during four days is shown in the pictograph below.

CAMERAS SOLD

KEY
X = 5 cameras

Day	Number of Cameras
Tuesday	X X
Wednesday	X X X X X X
Thursday	X X X X X
Friday	X X X X

On what day did the store sell exactly 20 cameras?

A Tuesday

B Wednesday

C Thursday

D Friday

20 Which tool should Sheila use to measure the length of a student's desk?

A measuring cup

B ruler

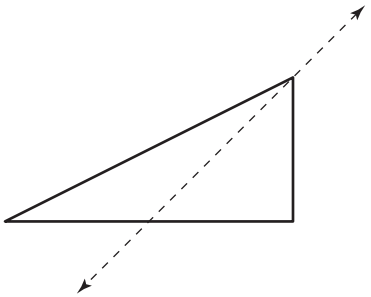
C clock

D thermometer

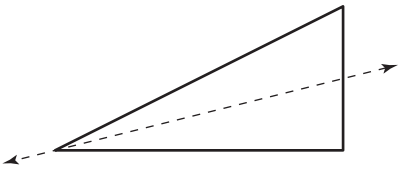
Go On

21 Which figure shows a line of symmetry?

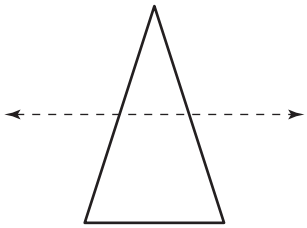
A



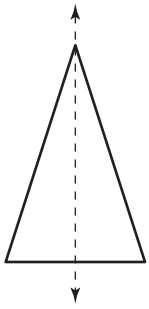
B



C



D



Go On

■ **SECURE MATERIAL** ■
Do not reproduce. Do not discuss contents until end of designated makeup schedule.

22 Which statement is an example of the fraction $\frac{1}{3}$?

A In Jake's fish tank, 1 of his 3 fish is a goldfish.

B In Jake's fish tank, 1 of his 4 fish is a goldfish.

C Jake has 3 fish that he feeds 2 times a day.

D Jake has 1 fish that he feeds 4 times a day.

23 What number belongs on the line below to make the number sentence true?

$$10 \times \underline{\quad ? \quad} = 10$$

A 0

B 1

C 20

D 100

24 There are 27 students in Ms. Austin's class. She groups her class into 3 teams that have an equal number of students. How many students are on **each** team?

A 6

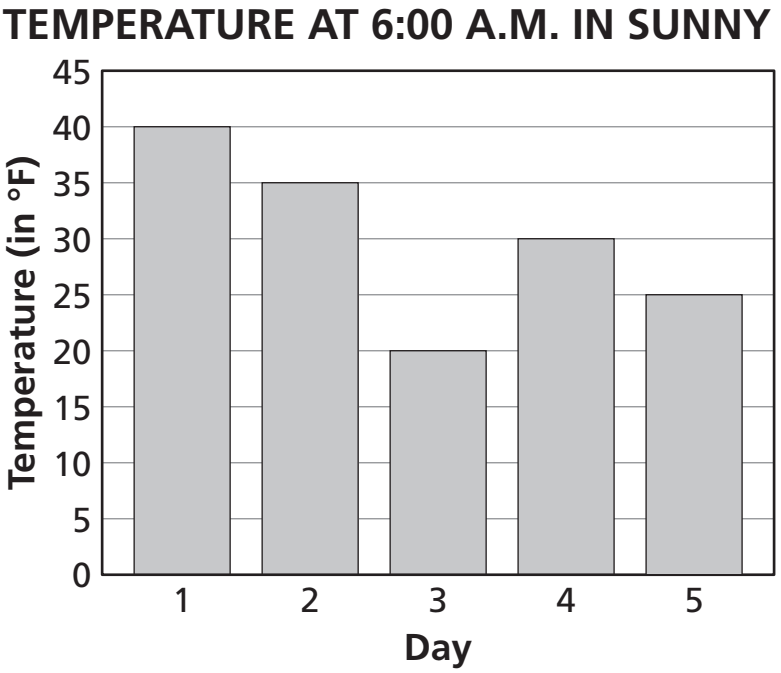
B 7

C 8

D 9

Go On

25 The temperature at 6:00 A.M. in Sunny City during five days is shown in the bar graph below.



According to the data in the table, on which day was the temperature higher than 25°F but lower than 35°F?

A Day 1

B Day 2

C Day 3

D Day 4

STOP

■ SECURE MATERIAL ■
Do not reproduce. Do not discuss contents until end of designated makeup schedule.

Grade 3

Mathematics Test

Book 1

May 5–7, 2010

The McGraw-Hill Companies