New York State Testing Program

Mathematics
Book 3

Grade **4**

March 6–10, 2006

Name _____

CTB McGraw-Hill

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 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.

This picture means that you will use your pattern blocks.

This picture means that you will use your counters.

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Book 3

Page 1

40 Last year, Mr. Madden drove his car 4,687 miles. This year, he drove 3,109 miles. How many **more** miles did Mr. Madden drive last year than he drove this year?

Show your work.

Answer _____ miles

Go On

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Book 3

Page **3**

41 Troy is exactly 3 years younger than Nicole. Nicole is 12 years old today. How old will Troy be in 2 years?

Show your work.

Answer _____ years old

42 The Kent County Airport has three parking lots.

- Lot A has 430 parking spaces.
- Lot B has 150 fewer parking spaces than Lot A.
- Lot C has 380 more parking spaces than Lot A.

What is the total number of parking spaces at the airport?

Show your work.

Answer _____ parking spaces

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Book 3

Page 5

43 Ms. Ames put tiles on the wall of her kitchen. She made 12 rows of tiles, with 20 tiles in each row. She used 188 yellow tiles. The rest of the tiles were blue. How many **blue** tiles did Ms. Ames use?

Show your work.

Answer _____ blue tiles

44 Mr. Marvin spent $54.10 on pants and shirts. He gave the cashier $60.00. How much money should Mr. Marvin receive in change?

Show your work.

Answer $ _____

Go On

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Book 3

Page 7

45   Jeremy writes the number pattern below.

3, 9, 15, 21, 27, __?__

Part A

What is the next number in the pattern?

Answer _____

On the lines below, describe Jeremy's pattern.

_____

_____

_____

_____

_____

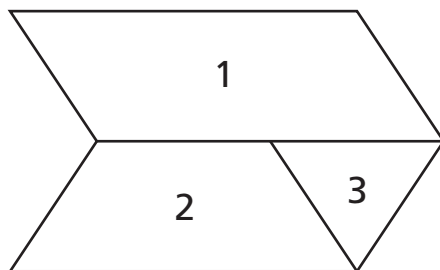## Part B

On the lines below, write a different set of numbers that uses the same rule as Jeremy's pattern. Do not use any of the numbers Jeremy wrote.

Pattern _____ , _____ , _____ , _____

46 Alison used three different shapes to draw Figure A below.

FIGURE A

Part A

What are the names of the three shapes?

Shape 1 _____

Shape 2 _____

Shape 3 _____

Part B

Based on the number of sides, what type of polygon is Figure A?

Answer _____

Go On

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Book 3

Page **9**

47 The pictograph below shows the number of butterflies in four different collections.

BUTTERFLY COLLECTIONS

Collection	Number of Butterflies
A	🦋 🦋
B	🦋 🦋 🦋 🦋
C	🦋 🦋 🦋
D	🦋 🦋 🦋 🦋

KEY
🦋 = _?_ Butterflies

Part A

There are 20 butterflies in Collection A. How many butterflies does each butterfly picture in the key represent?

Answer _____ butterflies

On the lines below, explain how you found your answer.

_____

_____

_____

_____

_____

Part B

How many **more** butterflies are in Collection B than in Collection C?

Show your work.

Answer _____ butterflies

Go On

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Book 3

Page 11

48 A dolphin can swim 22 miles in 1 hour. A minke whale can swim 15 miles in 1 hour. How many miles **farther** can a dolphin swim than a minke whale in 6 hours?

Show your work.

Answer _____ miles

STOP

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