New York State Testing Program

Mathematics Test
Book 3

Grade **4**

March 3–7, 2008

Name _____

**CTB
McGraw-Hill**

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 Alex is making 14 fruit salads for a party. He places 9 cherries in each of his fruit salads. What is the total number of cherries Alex uses for his fruit salads?
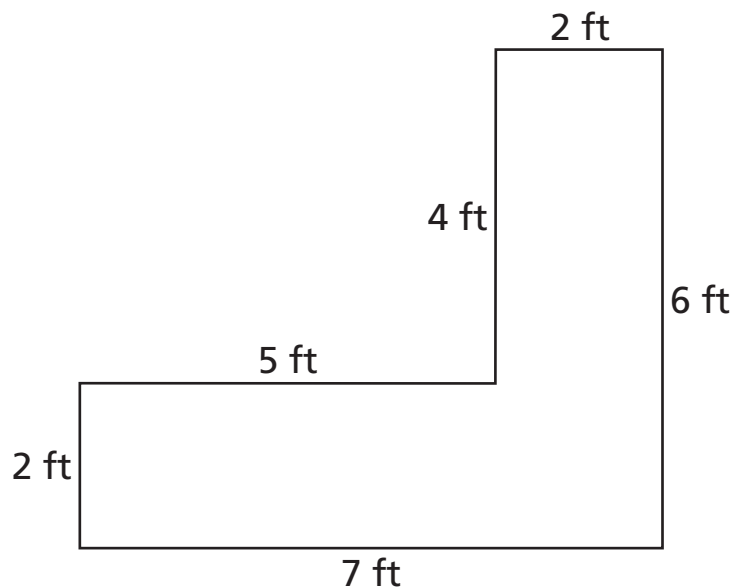
Show your work.

Answer _____ cherries

Go On

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Book 3

Page 3

41 Jamal is building a brick border around his garden, as shown below.

JAMAL'S GARDEN

[not drawn to scale]

What is the perimeter, in feet, of Jamal's garden?

Show your work.

Answer _____ feet

42 Janice bought a notebook for $3.75 and a pencil for $0.47. She gave the cashier $5.00. How much money did Janice receive in change?

Show your work.

Answer $ _____

Go On

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Book 3

Page 5

43 Ms. Guzman is knitting 60 hats. The table below shows the total number of hats she has knitted by the end of Weeks 2 through 5.

MS. GUZMAN'S HATS

Week	Total Number of Hats
2	12
3	18
4	24
5	30

Part A

If the pattern in the table continues, how many hats will Ms. Guzman have knitted by the end of Week 6?

Answer _____ hats

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

_____

_____

_____

_____

_____

Part B

If the pattern in the table continues, by the end of which week will Ms. Guzman have knitted the 60th hat?

Answer Week _____

Go On

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Book 3

Page 7

44   Mr. Phillips bought 8 boxes of pens. There are 12 pens in each box.

Part A

What is the total number of pens in the 8 boxes?

Show your work.

Answer _____ pens

Part B

Write a number sentence that finds the total number of pens in **3** of the boxes.

Number Sentence _____ = _____

45 Whitney writes the number pattern below.

1, 2, 4, 8, 16, __?__

What is the next number in the pattern?

Answer _____

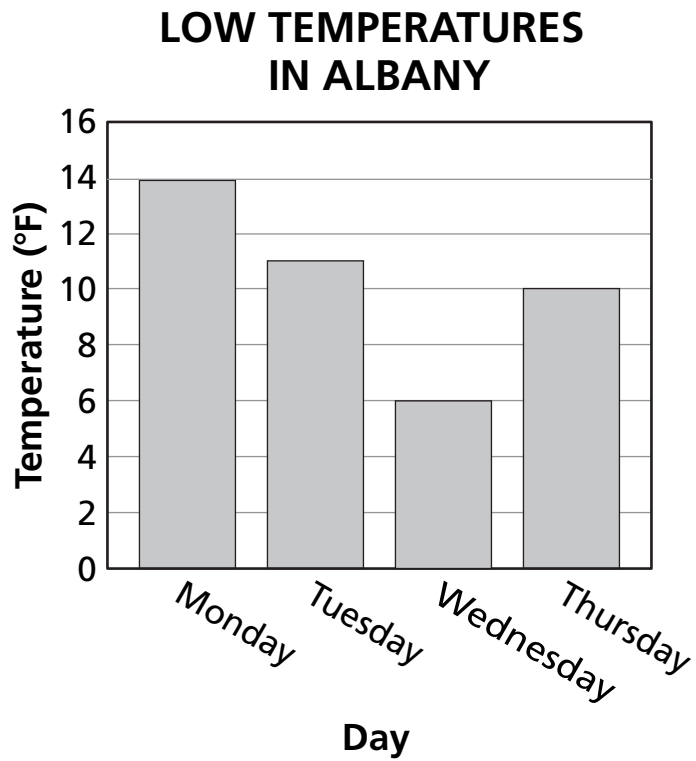On the line below, write the rule for Whitney's pattern.

Rule _____

46 Mr. Bruni has a total of 42 tadpoles in his 3 fish tanks. Each fish tank has the same number of tadpoles. How many tadpoles are in each fish tank?

Show your work.

Answer _____ tadpoles

Go On

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Book 3

Page 9

47 The bar graph below shows the low temperatures for Albany, New York, for four days in February.

LOW TEMPERATURES
IN ALBANY

Complete the table below to show the low temperatures in Albany during the four days shown in the graph.

Be sure to

- title the table
- label the first column
- enter all the data

	Temperature (°F)

Go On

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Book 3

Page **11**

48

Part A

Each expression in the first column below is equivalent to one of the expressions in the second column. Draw a line between the pairs of expressions that are equivalent. The first line has been drawn for you.

$5 \times (3 \times 7)$	$8 + 7$
$(5 + 3) + 7$	$3 + 8$
$(3 \times 2) \times 6$	$(5 \times 3) \times 7$
$3 + (2 + 6)$	$3 \times (2 \times 6)$

Part B

Joseph wrote the number sentence below.

$$(2 \times 3) \times 4 = 24$$

Olivia rewrote Joseph's number sentence and grouped the numbers differently. Complete Olivia's number sentence below to show the new grouping. Use **all** the numbers and symbols from Joseph's number sentence.

Olivia's Number Sentence _____ $= 24$

STOP

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