New York State Testing Program

Mathematics Test

Book 2

Grade **3**

March 5–9, 2007

Name _____

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 2

Page 1

26 Cory used shapes to write the number sentence below.

$$\boxed{5} + \triangle 4 = \triangle 4 + \boxed{}$$

Part A

Write one number in the blank shape above to make Cory's number sentence correct.

Part B

Cory wrote another number sentence below. Write one number in each of the blank shapes below to make this number sentence correct.

$$\bigcirc + \pentagon 8 = \pentagon 8 + \bigcirc$$

Go On

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Book 2

Page 3

27 The number pattern below has two missing numbers.

50, 46, 42, 38, _____, 30, 26, _____

Part A

Write the two missing numbers on the blank lines in the pattern above.

Part B

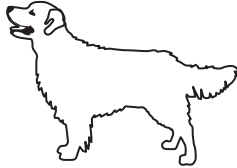On the lines below, explain how you know what numbers are missing in the pattern.

_____

_____

_____

_____

_____

Go On

28   There are 2 cats and 2 dogs shown below.

Part A

What fraction of the set of animals above are gray?

Answer _____

What fraction of the set of **dogs** above are white?

Answer _____

Part B

Draw a ring around $\frac{1}{3}$ of the set of rabbits shown below.

29 Calvin drew the two rows of shapes shown below.

Part A

Draw a ring around the rhombus that is **next to** a hexagon in the rows of shapes above.

Part B

Draw one line of symmetry on the rectangle above.

Go On

30 Mike and Leslie have the same birthday. The ages of Mike and Leslie as they grow older are shown in the table below.

AGES
(in years)

Mike	Leslie
13	7
17	11
19	13
24	?

Part A

Based on the pattern in the table, how old will Leslie be when Mike is 24?

Answer _____ years old

Part B

On the lines below, describe the rule you can use to find Leslie's age if you know Mike's age.

_____

_____

_____

_____

_____

Go On

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Page 7

31 Ms. Swanson's students collected insects for a science project. The table below shows the type and number of insects they collected on Monday.

INSECTS COLLECTED ON MONDAY

Type	Number Collected
Ant	18
Beetle	6
Butterfly	4
Ladybug	12

Part A

What is the total number of insects Ms. Swanson's students collected on Monday?

Answer _____ insects
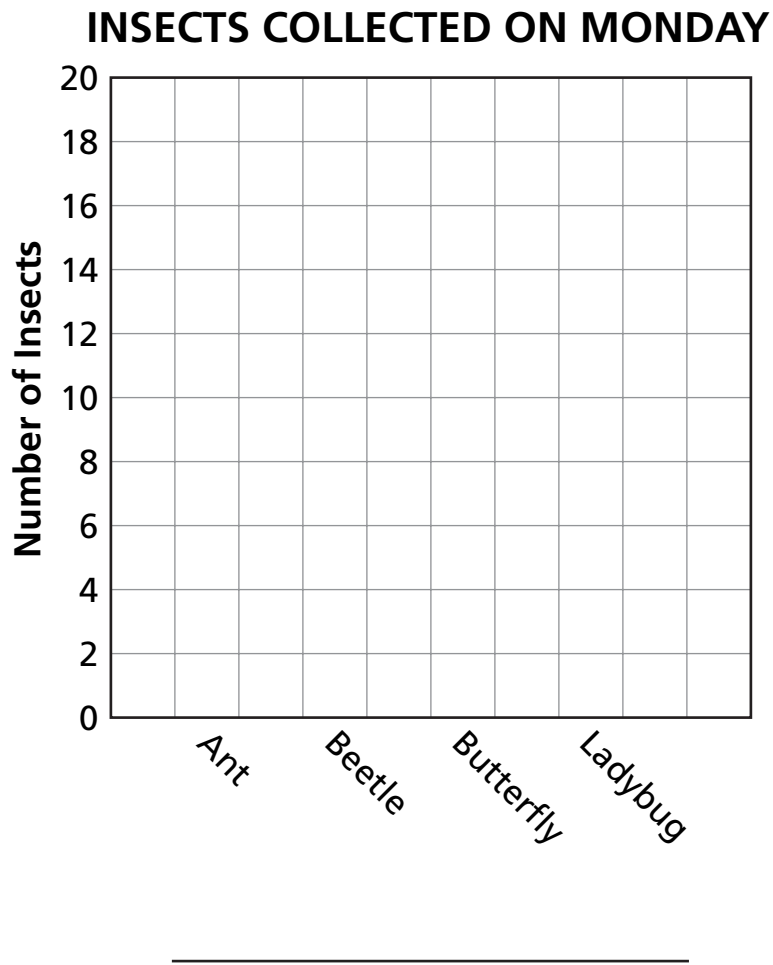
Go On

Complete the bar graph below to show the number of each type of insect Ms. Swanson's students collected on Monday.

Be sure to
- label the blank axis
- graph all the data

INSECTS COLLECTED ON MONDAY

STOP

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Place Student Label Here

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