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# ***New York State Testing Program***

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## **Mathematics Book 2**

Grade **4**

**Sample Test 2005**

Name \_\_\_\_\_



## TIPS FOR TAKING THE SAMPLE 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.



**31**

The table below shows the number of books in four school libraries.

### LIBRARY BOOKS

School	Number of Books
Lakeview	2,265
King	1,304
Penntown	1,746
Rogers	4,355

What is the total number of books in all four school libraries?

**Show your work.**

**Answer** \_\_\_\_\_ books

**Go On**

**32**

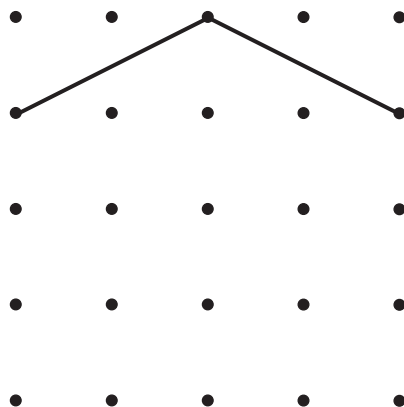
Ronald's apartment building has 17 apartments on each floor. There are 6 floors in the building. What is the total number of apartments in Ronald's apartment building?

***Show your work.***

***Answer*** \_\_\_\_\_ apartments

**33**

Jason wants to draw a pentagon on the diagram below. He has drawn 2 line segments so far.



**Part A**

Draw the rest of Jason's pentagon on the diagram.

**Part B**

How many sides does a pentagon have?

**Answer** \_\_\_\_\_ sides

**Go On**

**34**

Mr. Harrington bought some boxes of oranges at the market. He bought a total of 72 oranges. There were 6 oranges in each box. How many boxes of oranges did Mr. Harrington buy?

***Show your work.***

***Answer*** \_\_\_\_\_ boxes



Jane and Kwan each have music CDs. Kwan has 12 more CDs than Jane.

**Part A**

Write a number sentence to show that Kwan has 12 more CDs than Jane. Let  $J$  be the number of CDs Jane has. Let  $K$  be the number of CDs Kwan has.

**Number Sentence** \_\_\_\_\_

**Part B**

If Jane has 7 CDs, how many CDs does Kwan have?

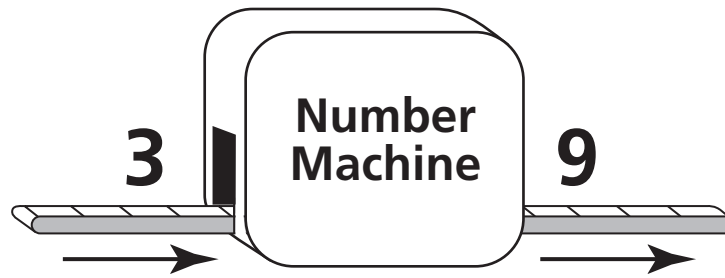
**Show your work.**

**Answer** \_\_\_\_\_ CDs

**Go On**

**36**

The number machine below follows a rule for all numbers that go into it.



Complete the number machine table below by writing the two missing numbers.

### NUMBER MACHINE TABLE

IN	OUT
3	9
5	15
6	18
8	
	27

On the lines below, write the rule used to change **IN numbers** to **OUT numbers** in this number machine.

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***Go On***

**37**

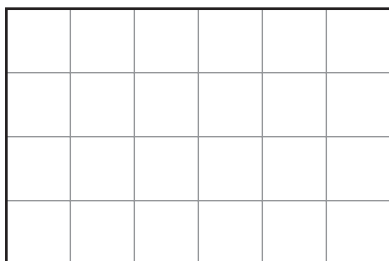
Last Saturday, John went to the movies. He had \$10.00. He paid \$5.00 for his movie ticket and \$3.25 for popcorn. How much money did John have left?

***Show your work.***

***Answer*** \$ \_\_\_\_\_

A diagram of Mr. Taylor's patio is shown below.

**MR. TAYLOR'S PATIO**



**KEY**

 = 1 square meter

**Part A**

What is the area, in square meters, of the patio?

**Answer** \_\_\_\_\_ square meters

**Part B**

What is the perimeter, in meters, of the patio?

**Show your work.**

**Answer** \_\_\_\_\_ meters

**Go On**

**39**

The table below shows the type and number of pets Kyle's classmates have.

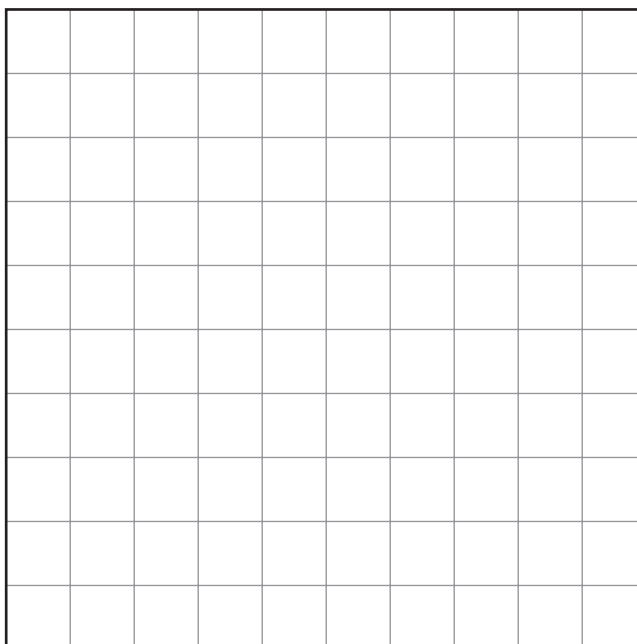
### PETS

Type of Pet	Number of Pets
Dog	6
Cat	4
Fish	5

On the grid below, make a bar graph to show the type and number of pets Kyle's classmates have.

Be sure to:

- title the graph
- label both axes
- graph all the data
- provide a scale for the graph



**STOP**



**Grade 4**  
**Mathematics**  
Book 2  
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