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

<table>
<thead>
<tr>
<th>School</th>
<th>Number of Books</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lakeview</td>
<td>2,265</td>
</tr>
<tr>
<td>King</td>
<td>1,304</td>
</tr>
<tr>
<td>Penntown</td>
<td>1,746</td>
</tr>
<tr>
<td>Rogers</td>
<td>4,355</td>
</tr>
</tbody>
</table>

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

*Show your work.*

Answer: __________ books
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
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
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* __________ CD(s)
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

<table>
<thead>
<tr>
<th>IN</th>
<th>OUT</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>9</td>
</tr>
<tr>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>6</td>
<td>18</td>
</tr>
<tr>
<td>8</td>
<td></td>
</tr>
<tr>
<td></td>
<td>27</td>
</tr>
</tbody>
</table>
On the lines below, write the rule used to change IN numbers to OUT numbers in this number machine.
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* $ \underline{______________} $
A diagram of Mr. Taylor’s patio is shown below.

**MR. TAYLOR’S PATIO**

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

<table>
<thead>
<tr>
<th>Type of Pet</th>
<th>Number of Pets</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dog</td>
<td>6</td>
</tr>
<tr>
<td>Cat</td>
<td>4</td>
</tr>
<tr>
<td>Fish</td>
<td>5</td>
</tr>
</tbody>
</table>
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