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.
Cory used shapes to write the number sentence below.

\[ \boxed{5} + \boxed{4} = \boxed{4} + \boxed{} \]

**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.

\[ \boxed{} + 8 = 8 + \boxed{} \]
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
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.
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.
Mike and Leslie have the same birthday. The ages of Mike and Leslie as they grow older are shown in the table below.

<table>
<thead>
<tr>
<th>AGES (in years)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mike</td>
</tr>
<tr>
<td>13</td>
</tr>
<tr>
<td>17</td>
</tr>
<tr>
<td>19</td>
</tr>
<tr>
<td>24</td>
</tr>
</tbody>
</table>

**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
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**

<table>
<thead>
<tr>
<th>Type</th>
<th>Number Collected</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ant</td>
<td>18</td>
</tr>
<tr>
<td>Beetle</td>
<td>6</td>
</tr>
<tr>
<td>Butterfly</td>
<td>4</td>
</tr>
<tr>
<td>Ladybug</td>
<td>12</td>
</tr>
</tbody>
</table>

*Part A*

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

*Answer* ________________ insects

*Go On*
**Part B**

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