**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.

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This picture means that you will use your ruler.

This picture means that you will use your protractor.
27 Which rectangle below has the greatest perimeter?

Figure A

6 cm

2 cm

Figure B

1 cm

8 cm

Figure C

4 cm

3 cm

[not drawn to scale]

\[ P = 2l + 2w \]

Show your work.

Answer __________________
Use your protractor to help you solve this problem.

Raymond drew Triangle ABC below.

What is the measure of $\angle A$ in Triangle ABC?

**Answer** ____________ degrees

In the space below, draw an angle that measures the same number of degrees as $\angle B$ in Triangle ABC.
Roberto used pairs of blocks to create the repeating pattern below.

Part A
In the space below, draw the next shape that will continue this repeating pattern.

Part B
On the lines below, explain the rule for the pattern.

---

Go On
Alice draws a triangle and measures two of the angles with a protractor. The angle measures are 65º and 45º.

Cal says the measure of the third angle is 60º. On the lines below, explain why Cal’s answer is incorrect.

Be sure to identify the correct measure of the third angle in Alice’s triangle in your explanation.
Ellie set a reading goal for the summer. She has completed 71% of her goal. What decimal is equivalent to the percent of the goal that Ellie has completed?

*Answer* ________________

What part of the goal does Ellie still need to complete? Write your answer as a fraction.

*Show your work.*

*Answer* ________________
Figure A and Figure B are congruent.

![Figure A and Figure B](image)

What is the length of side M in Figure B?

**Answer** ______________ feet

What is the perimeter of Figure B?

**Answer** ______________ feet

On the lines below, explain how you determined the perimeter of Figure B.

____________________________________________________________________

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____________________________________________________________________

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____________________________________________________________________
Jordan recorded the temperature in her house every 2 hours. A portion of her data is shown on the line graph below.

**Part A**

The temperature in Jordan’s house at 9:00 A.M. and at 5:00 P.M. was 65°. Plot these points, and then connect the points to complete the graph.

**Part B**

What was the approximate temperature in Jordan’s house at 11:00 A.M.?

*Answer* ______________ degrees

What was the approximate difference in temperature from 1:00 P.M. to 3:00 P.M.?

*Answer* ______________ degrees

*Go On*
The daily schedule for Ms. Merfeld’s students is shown below.

<table>
<thead>
<tr>
<th>Activity</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reading</td>
<td>8:35 A.M.–9:55 A.M.</td>
</tr>
<tr>
<td>Recess</td>
<td>9:55 A.M.–10:10 A.M.</td>
</tr>
<tr>
<td>Social Studies</td>
<td>10:10 A.M.–10:40 A.M.</td>
</tr>
<tr>
<td>Language Arts</td>
<td>10:40 A.M.–11:45 A.M.</td>
</tr>
<tr>
<td>Lunch</td>
<td>11:45 A.M.–12:25 P.M.</td>
</tr>
<tr>
<td>Math</td>
<td>12:25 P.M.–1:15 P.M.</td>
</tr>
<tr>
<td>Science</td>
<td>1:15 P.M.–2:00 P.M.</td>
</tr>
<tr>
<td>Art</td>
<td>2:00 P.M.–2:25 P.M.</td>
</tr>
</tbody>
</table>

Which activity is scheduled for the least amount of time?

*Answer* ________________

A student in Ms. Merfeld's class believes the amount of time scheduled for Language Arts is greater than the amount of time scheduled for Science. On the lines below, explain whether the student is correct.

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____________________________________

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____________________________________

STOP