Part 1: Complete the table.

<table>
<thead>
<tr>
<th>centimeters</th>
<th>1</th>
<th>3</th>
<th>12</th>
<th>40</th>
<th>145</th>
</tr>
</thead>
<tbody>
<tr>
<td>millimeters</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Part 2: Circle the greater length for each pair.

a. 4 cm 45 mm  
b. 50 mm 6 cm  
c. 800 cm 1,000 mm  
d. 3,200 mm 340 cm

Part 3: Measure to the nearest centimeter and/or nearest millimeter.

nearest cm = ___________________  
nearest mm = ___________________  

nearest cm = ___________________  
nearest mm = ___________________
Part 4: Measure the line segments.

Find the length of line segment g to the nearest centimeter. ______________

Find the length of line segment h to the nearest centimeter. ______________

Find the length of line segment i to the nearest millimeter. ______________

Part 5: Choose the best estimate to answer each question.

About how tall is a plastic water bottle?
   a. 20 centimeters  b. 20 millimeters  
   c. 200 centimeters d. 2,000 millimeters

About how tall is a cereal box?
   a. 300 millimeters  b. 300 centimeters
   c. 3 centimeters   d. 3,000 millimeters

About how tall is a can of soup?
   a. 12 millimeters  b. 120 centimeters
   c. 40 millimeters  d. 12 centimeters

Part 6: Word Problems

Arthur’s pencil was 14 centimeters long. How many millimeters long was his pencil? ______________

Arthur just sharpened his pencil and now it is 10 mm smaller. How long is his pencil now? ______________

Samantha has a AA battery that is 51mm long. About how many centimeters long is it? ______________
ANSWER KEY

Centimeters and Millimeters

Part 1: Complete the table.

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</tr>
</thead>
<tbody>
<tr>
<td>millimeters</td>
<td>10</td>
<td>30</td>
<td>120</td>
<td>400</td>
<td>1,450</td>
</tr>
</tbody>
</table>

Part 2: Circle the greater length for each pair.

a. 4 cm 45 mm  
b. 50 mm 6 cm  
c. 800 cm 1,000 mm  
d. 3,200 mm 340 cm

Part 3: Measure to the nearest centimeter and/or nearest millimeter.

nearest cm = 7 cm  
nearest mm = 68 mm

nearest cm = 3 cm  
nearest mm = 33 mm

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**Part 4:** Measure the line segments.

Find the length of line segment \( g \) to the nearest centimeter. 6 cm

Find the length of line segment \( h \) to the nearest centimeter. 5 cm

Find the length of line segment \( i \) to the nearest millimeter. 30 mm

**Part 5:** Choose the best estimate to answer each question.

About how tall is a plastic water bottle? a
- a. 20 centimeters
- b. 20 millimeters
- c. 200 centimeters
- d. 2,000 millimeters

About how tall is a cereal box? a
- a. 300 millimeters
- b. 300 centimeters
- c. 3 centimeters
- d. 3,000 millimeters

About how tall is a can of soup? d
- a. 12 millimeters
- b. 120 centimeters
- c. 40 millimeters
- d. 12 centimeters

**Part 6:** Word Problems

Arthur’s pencil was 14 centimeters long.
How many millimeters long was his pencil? 140 mm

Arthur just sharpened his pencil and now it is 10 mm smaller. How long is his pencil now? 130 mm or 13 cm

Samantha has a AA battery that is 51 mm long. About how many centimeters long is it? 5 cm