Converting Liters and Milliliters

Complete the tables below and answer the questions that follow.

<table>
<thead>
<tr>
<th>liters</th>
<th>1</th>
<th>9</th>
<th>milliliters</th>
<th>4,000</th>
<th>550,00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>milliliters</td>
<td></td>
<td></td>
</tr>
<tr>
<td>liters</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>liters</td>
<td>6</td>
<td>23</td>
</tr>
</tbody>
</table>

rule: multiply by 1,000  
rule: divide by 1,000

a. How many liters are in 5,000 milliliters? ________  
b. How many milliliters are in 23 liters? ________

c. How many milliliters are in 20,000 milliliters? ________

d. How many liters are in 11 liters? ________

e. How many milliliters are in 9 liters? ________

f. How many milliliters are in 550,000 milliliters? ________

g. How many milliliters are in 100 liters? ________

h. How many liters are in 890,000 milliliters? ________

i. Brenda has a 1 liter bottle of shampoo that is only half-full. About how many milliliters of shampoo does she have in the bottle? ________

j. Mr. Perkins changed the oil in his car. He bought 6 liters of oil. He put 4,500 ml in his car. How many milliliters of oil did he have left? ________
**Converting Liters and Milliliters**

Complete the tables below and answer the questions that follow.

<table>
<thead>
<tr>
<th>liters</th>
<th>1</th>
<th>5</th>
<th>9</th>
<th>30</th>
</tr>
</thead>
<tbody>
<tr>
<td>milliliters</td>
<td>1,000</td>
<td>5,000</td>
<td>9,000</td>
<td>30,000</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>milliliters</th>
<th>4,000</th>
<th>6,000</th>
<th>23,000</th>
<th>550,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>liters</td>
<td>4</td>
<td>6</td>
<td>23</td>
<td>550</td>
</tr>
</tbody>
</table>

**Rule:** multiply by 1,000  
**Rule:** divide by 1,000

a. How many liters are in 5,000 milliliters? **5**

b. How many milliliters are in 23 liters? **23,000**

c. How many milliliters are in 9 liters? **9,000**

d. How many liters are in 550,000 milliliters? **550**

e. How many liters are in 11 liters? **11,000**

f. How many milliliters are in 20,000 milliliters? **20**

g. How many milliliters are in 100 liters? **100,000**

h. How many liters are in 890,000 milliliters? **890**

i. Brenda has a 1 liter bottle of shampoo that is only half-full. About how many mL of shampoo does she have in the bottle? **500 mL**

j. Mr. Perkins changed the oil in his car. He bought 6 liters of oil. He put 4,500 ml in his car. How many milliliters of oil did he have left? **1,500 mL**

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