Adding decimals with the same number of decimal places

1. Complete the additions. Use the place value charts to help you.

   a) $4.45 + 3.21 = 7.66$

   

<table>
<thead>
<tr>
<th>Ones</th>
<th>Tenths</th>
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<tbody>
<tr>
<td>4</td>
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<td>5</td>
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<td>3</td>
<td>2</td>
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<td>1</td>
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<tr>
<td>7</td>
<td>6</td>
<td>6</td>
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   b) $4.45 + 3.61 = 8.06$

   

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<td>8</td>
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   c) $4.45 + 3.78 = 8.23$

   

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Which calculation was easier? Talk about it with a partner.

2. Use the column method to work out the additions.

   a) $5.3 + 2.5 = 7.8$

   

   

   b) $6.03 + 3.91 = 9.94$

   

   c) $2.32 + 1.017 = 12.49$

   

   d) $6.37 + 6.26 = 12.63$

   

   e) $3.102 + 5.876 = 8.978$

   

   f) $1.2034 + 9.227 = 21.261$

   

   g) $5.75 + 5.32 = 11.07$

   

   h) $1.499 + 1.237 = 2.736$

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3 Work out the calculations.
Write <, > or = to make the statements correct.

a) 0.64 + 4.79  >  5.01 + 0.23
b) 7.427 + 3.238  <  5.427 + 5.832
c) 3.08 + 4.63  =  4.84 + 2.87

4 Teddy is working out the total cost of these items.

Here are his workings.

\[
\begin{align*}
5 \cdot 7 & \quad 5 \\
+ \quad 1 & \quad 1 \cdot 2 \quad 0 \\
\hline
6 & \quad 8 \cdot 7 \quad 0
\end{align*}
\]

Talk to a partner about Teddy’s mistake.
Work out the correct answer.

5 Work out the perimeter of the shape.

\[
\begin{align*}
4.5 + 9.3 + 4.5 + 9.3 \\
= 9 + 18.6 \\
= 27.6
\end{align*}
\]

perimeter = \(27.6\) cm

6 Complete the number line.

\[
\begin{align*}
3.65 & \quad + \quad 1.78 & \quad + \quad 1.78 & \quad + \quad 1.78 \\
6.870 & \quad 8.99
\end{align*}
\]

7 Eva starts with the number 1.62

I added a number and got 2.8
This is impossible as 2.8 only has one digit after the decimal.

Is Rosie correct? \(\text{No}\)
Talk about it with a partner.