Subtracting decimals with a different number of decimal places

1. Use the place value chart to help you work out the subtractions.

<table>
<thead>
<tr>
<th>Ones</th>
<th>Tenths</th>
<th>Hundredths</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

\[
\begin{array}{c}
\text{a) } \quad 5.36 \\
\text{b) } \quad 5.36 \\
\end{array}
\]

1. Alex is using counters to help her work out 4.7 – 1.35

I can’t do this as I don’t have any hundredths counters.

Do you agree with Alex? _______________.

Talk about it with a partner.

3. Complete the subtractions.

\[
\begin{array}{c}
\text{a) }\quad 2.36 - 1.4 \\
\text{b) }\quad 6.15 - 3.8 \\
\end{array}
\]

4. Use the column method to work out the subtractions.

\[
\begin{array}{c}
\text{a) }\quad 13.59 - 1.82 \\
\text{b) }\quad 73.84 - 9.2 \\
\end{array}
\]
5. A plank of wood measures 2.6 m.
   A carpenter cuts a piece of wood from the plank that is 0.52 m long.

   ![Plank of wood](image)

   a) What is the length of the remaining plank?

   m

   b) The carpenter cuts a second piece of wood from the plank.
      She now has 0.3 m of the plank remaining.
      What is the length of the second piece of wood that she cut?

   m

6. The mass of a bag of marbles is 54.3 g.
   These two marbles are removed from the bag. 7.2 g  14.54 g

   What is the mass of the bag of marbles now?

   g

7. Work out the missing digits.
   __3.4 – 2.5__ = 10.81

8. Use the column method to work out the subtractions.
   a) 14 – 2.7
   d) 26 – 3.91
   b) 8 – 3.65
   e) 25 – 3.842
   c) 20 – 2.85
   f) 90 – 0.821