1. Work out the calculations.
   a) \( \frac{2}{5} + \frac{3}{4} = \) 
   b) \( 2 \frac{1}{4} - \frac{2}{3} = \) 
   c) \( 3 \frac{7}{10} - 2 \frac{1}{4} = \)

2. Complete the calculation.
   \( \frac{5}{6} + 1 \frac{2}{9} - \frac{1}{2} = \)

3. Work out the missing fractions.
   a) 
   \[
   \begin{array}{c}
   \frac{3}{3} \\
   \hline
   10
   \end{array}
   \]
   b) 
   \[
   \begin{array}{c}
   \frac{1}{8} \\
   \hline
   \frac{1}{16}
   \end{array}
   \]

4. Complete the calculations.
   a) \( \frac{2}{5} + \frac{1}{5} = \) 
   b) \( \frac{2}{5} + \frac{1}{5} = \) 
   c) \( \frac{2}{5} + \frac{1}{5} = \) 
   d) \( \frac{4}{5} = \)

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5 Which of these are true and which are false?
Can you decide without having to do the additions or the subtractions?
Talk about your reasons with a partner.

<table>
<thead>
<tr>
<th>True or false?</th>
</tr>
</thead>
<tbody>
<tr>
<td>$2 \frac{1}{3} + 3 \frac{3}{4}$ is equal to $3 \frac{1}{3} + 2 \frac{3}{4}$</td>
</tr>
<tr>
<td>$3 \frac{3}{4} - \frac{1}{3}$ is less than $4 \frac{3}{4} - 1 \frac{1}{3}$</td>
</tr>
<tr>
<td>$3 \frac{3}{4} - 2 \frac{1}{3}$ is equal to $3 \frac{1}{3} - 2 \frac{3}{4}$</td>
</tr>
</tbody>
</table>

6 Complete the addition grid.

| $1 \frac{1}{4}$ | $\frac{1}{4}$ | $\frac{1}{4}$ |
| $\frac{1}{25}$ | $1 \frac{3}{20}$ | $1 \frac{3}{20}$ |
| $1 \frac{1}{50}$ | $1 \frac{3}{100}$ | $1 \frac{3}{100}$ |

7 A painter uses the following mixtures.
How much more green paint does she have than purple paint?

8 Eva and Amir are working out this calculation.

Find Amir’s solution. Explain how this calculation can be solved.

This is going to be very difficult, because I can't find a common denominator.
I have found an easier way.

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