

HW: IXL Skill Practice (score 85+, link on Google Classroom)

Warm up:

Evaluate.

1) $\frac{2}{5} + \frac{1}{5}$

$\frac{3}{5}$

2) $\frac{2}{15} + \frac{7}{15}$

$\frac{9}{15} \div 3 = \frac{3}{5}$

3) $\frac{3}{4} + \frac{5}{8}$

$\frac{6}{8} + \frac{5}{8} = \frac{11}{8}$

$$\frac{10}{40} + \frac{12}{40} = \frac{22}{40}$$

$$\frac{1}{4} + \frac{3}{10}$$

$\times 5$ (multiplying $\frac{1}{4}$ by 5)
 $\times 2$ (multiplying $\frac{3}{10}$ by 2)
 $\times 5$ (multiplying the denominator 4 by 5)
 $\times 2$ (multiplying the denominator 10 by 2)

$$\frac{5}{20} + \frac{6}{20} = \frac{11}{20}$$

4, 8, 12, 16, 20, 24, 28, 32, 36, 40
 10, 20, 30, 40, 50

The diagram illustrates the process of finding a common denominator for the fractions $\frac{5}{6}$ and $\frac{4}{5}$. It shows the following steps:

- Original fractions: $\frac{5}{6} - \frac{4}{5}$
- Conversion factors: $\times 5$ for the first fraction and $\times 6$ for the second.
- Converted fractions: $\frac{25}{30} - \frac{24}{30}$
- Final result: $\frac{1}{30}$ (circled in red)

$$\begin{array}{r} 17 \quad 2 \\ \hline 20 \quad 5 \end{array} - \begin{array}{r} \quad 2 \\ \hline \quad 5 \end{array}$$

$$\begin{array}{r} 17 \\ \hline 20 \end{array} - \begin{array}{r} 8 \\ \hline 20 \end{array}$$

$$\begin{array}{r} 9 \\ \hline 20 \end{array}$$

The diagram shows the process of subtracting $\frac{2}{5}$ from $\frac{17}{20}$. The first fraction is written with a horizontal line. A blue bracket on the right side of the fraction is labeled $\times 4$, with an arrow pointing to the denominator 20. A second blue bracket, also labeled $\times 4$, is positioned below the first one, with an arrow pointing to the denominator 20 of the second fraction. The second fraction is written in red. A blue circle encircles the result $\frac{9}{20}$.

$$\frac{7}{8} + \frac{5}{12}$$

$$\frac{21}{24} + \frac{10}{24}$$

$$\frac{31}{24} = 1\frac{7}{24}$$

$$1) \quad \frac{3}{5} - \frac{1}{10}$$

$$2) \quad \frac{5}{6} - \frac{3}{10}$$

$$3) \quad \frac{4}{9} + \frac{7}{12}$$

1)

$$\frac{3}{5} - \frac{1}{10}$$

$$\frac{6}{10} - \frac{1}{10} = \frac{5}{10} = \left(\frac{1}{2}\right)$$

2)

$$\frac{5}{6} - \frac{3}{10}$$

$$\frac{25}{30} - \frac{9}{30} = \frac{16}{30} = \frac{8}{15}$$

3)

$$\frac{4}{9} + \frac{7}{12}$$

$$\frac{16}{36} + \frac{21}{36} = \frac{37}{36} = 1 \frac{1}{36}$$

