

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

Warm up:

Evaluate.

$$1) \quad \frac{2}{3} - \frac{2}{5} = \frac{10}{15} - \frac{6}{15} = \frac{4}{15}$$

$$2) \quad \frac{7}{9} + \frac{5}{6} = \frac{14}{18} + \frac{15}{18} = \frac{29}{18}$$

$$\frac{42}{54} + \frac{45}{54} = \frac{87}{54} = 1 \frac{33}{54}$$

$$\frac{11}{18}$$

$$\begin{array}{r} 18 \cdot 1 = 18 \\ 18 \cdot 2 = 36 \\ \hline 29 \\ -18 \\ \hline 11 \end{array}$$

How do we convert mixed numbers to improper fractions?

$$3 = \frac{3}{1} = \frac{15}{5} + \frac{1}{5} = 3\frac{1}{5} = \frac{16}{5}$$

$$4 \times 8 = 32$$

$$2\frac{3}{4} + 5\frac{1}{2}$$

$$\frac{11}{4} + \frac{11}{2}$$

$$\frac{11}{4} + \frac{22}{4}$$

$$\frac{33}{4} = 8\frac{1}{4}$$

$$\begin{array}{r} 2 \\ \times 23 \\ \hline 161 \end{array}$$

$$\begin{array}{r} \times 33 \\ \hline 99 \end{array}$$

$$7\frac{2}{3} - 4\frac{5}{7}$$

$$\begin{array}{r} 23 \\ \hline 161 \\ 21 \end{array} - \begin{array}{r} 33 \\ \hline 99 \\ 21 \end{array}$$

$$2\frac{62}{21} = \left(2\frac{20}{21} \right)$$

1) $2\frac{5}{8} - 1\frac{1}{6}$

2) $4 - 2\frac{7}{9}$

3) $6\frac{2}{3} + 5\frac{2}{5}$

4) $1\frac{7}{10} + 4\frac{1}{4}$

1)

$$2\frac{5}{8} - 1\frac{1}{6}$$

$$\cancel{2}^{\cancel{2}}\frac{\cancel{5}}{\cancel{8}} - \cancel{1}^{\cancel{1}}\frac{\cancel{1}}{\cancel{6}}$$

$$\frac{63}{24} - \frac{28}{24} = \frac{35}{24} = \left(1\frac{11}{24}\right)$$

2)

$$\frac{4}{1} - 2\frac{7}{9}$$

$$\frac{4}{1} - \frac{25}{9}$$

$$\frac{36}{9} - \frac{25}{9} = \frac{11}{9} = \left(1\frac{2}{9}\right)$$

3)

$$6\frac{2}{3} + 5\frac{2}{5}$$

$$\frac{20}{3} + \frac{20}{5}$$

$$\frac{100}{15} + \frac{81}{15} = \frac{181}{15} = 12\frac{1}{15}$$

4)

$$1\frac{7}{10} + 4\frac{1}{4}$$

$$\frac{17}{10} + \frac{17}{4}$$
$$\frac{34}{20} + \frac{85}{20} = \frac{119}{20} = 5\frac{19}{20}$$

$$\begin{array}{r} 17 \\ \times 5 \\ \hline 85 \end{array}$$

