

Warm up:

1)

$$\frac{3}{4} + \frac{7}{10}$$

$$\frac{30}{40} + \frac{28}{40}$$

$$\frac{58}{40} = 1\frac{18}{40}$$

$$1\frac{9}{20}$$

2)

$$2\frac{1}{8} - 1\frac{2}{3}$$

$$\frac{17}{8} - \frac{5}{3}$$

$$\frac{51}{24} - \frac{40}{24}$$

$$\frac{11}{24}$$

3)

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

$$\frac{23}{5} + \frac{9}{4}$$

$$\frac{92}{20} + \frac{45}{20}$$

$$\frac{137}{20} = 6\frac{17}{20}$$

$$\frac{1}{2} + \left(-\frac{5}{9}\right)$$

$$\frac{9}{18} + \left(-\frac{10}{18}\right) = -\frac{1}{18}$$

$$-\frac{5}{6} + \left(-\frac{7}{9}\right)$$

$$-\frac{15}{18} + \left(-\frac{14}{18}\right)$$

$$-\frac{29}{18} = -1\frac{11}{18}$$

$$5 + \left(+3\frac{2}{3} \right) \quad 5 + 3\frac{2}{3}$$

$$\frac{5}{1} - \left(-\frac{11}{3} \right)$$

$$\frac{15}{3} + \left(+\frac{11}{3} \right)$$

$$\frac{26}{3} = \left(8\frac{2}{3} \right)$$

$$5 - 9 \quad 5 + (-9)$$



$$3 - (-10) \quad 3 + 10$$



$$9 - 106$$

$$9 + (-106)$$

$$\begin{array}{r} 1 \\ \times 24 \\ \hline 72 \\ 1 \\ \times 24 \\ \hline 4 \\ \hline 96 \end{array}$$

$$3 \frac{5}{8} - 4 \frac{5}{12}$$

$$\frac{3}{8} - \frac{5}{12}$$

$$\frac{9}{24} - \frac{10}{24} = -\frac{1}{24}$$

$$-4 \frac{1}{24}$$

$$-3\frac{3}{4} - \left(-1\frac{7}{8}\right)$$

$$-\frac{15}{4} - \left(-\frac{15}{8}\right)$$

$$-\frac{30}{8} - \left(-\frac{15}{8}\right)$$

$$-\frac{15}{8} = -\frac{1\frac{7}{8}}{1}$$

HW Solutions

1)

$$-\frac{3}{10} - 8$$

2)

$$2\frac{1}{2} + \left(-4\frac{4}{5}\right)$$

3)

$$-3\frac{1}{3} - \left(-5\frac{2}{7}\right)$$

4)

$$-5\frac{1}{4} + \left(-3\frac{5}{6}\right)$$

1)

$$-\frac{3}{10} - 8$$

$$-\frac{3}{10} - \frac{80}{10} = -\frac{83}{10}$$

$$-8\frac{3}{10}$$

2)

$$2\frac{1}{2} + \left(-4\frac{4}{5}\right)$$

$$\frac{5}{5} \cdot \frac{1}{2} \rightarrow \left(-\frac{20}{5}\right)$$

$$\frac{5}{5} \cdot \frac{4}{5} \rightarrow \left(-\frac{40}{5}\right) = -\frac{23}{10} = \left(-2\frac{3}{10}\right)$$

3)

$$-3\frac{1}{3} - \left(-5\frac{2}{7}\right)$$

$$-\frac{10}{3} - \left(-\frac{37}{7}\right)$$

$$-\frac{70}{21} - \left(-\frac{111}{21}\right) = \frac{41}{21} = \left(1\frac{20}{21}\right)$$

4)

$$-5\frac{1}{4} + \left(-3\frac{5}{6}\right)$$

