

Warm up:

1)

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

$$\frac{15}{20} + \frac{14}{20}$$

$$\frac{29}{20} = \frac{1 \frac{9}{20}}$$

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)

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

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

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

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

$$\frac{1}{2} + \left(-\frac{5}{9}\right)$$
$$\frac{9}{18} + \left(-\frac{10}{18}\right) = \left(-\frac{1}{18}\right)$$

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

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

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

$$15 + (+11) \\ 26$$

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

$$\frac{5}{1} - \left(-\frac{11}{3} \right) \\ \frac{15}{3} - \left(-\frac{11}{3} \right) = \frac{26}{3} = 8\frac{2}{3}$$

$$\begin{array}{r}
 9-106 \\
 9+(-106) \\
 \begin{array}{r}
 0^{\circ} \times 106 \\
 \phantom{0^{\circ}} 9 \\
 \hline
 97
 \end{array}
 \end{array}$$

$$\begin{array}{r}
 3 \quad 5 \\
 \hline
 -4 \quad \hline
 8 \quad 12 \\
 \hline
 3 \quad 53 \\
 \hline
 8 \quad 12 \\
 \hline
 9 \quad 106 \\
 \hline
 24 \quad 24
 \end{array}$$

$$\begin{array}{r}
 1 \\
 \times 24 \\
 3 \\
 \hline
 72 \\
 1 \\
 \times 24 \\
 4 \\
 \hline
 96
 \end{array}$$

$$\frac{9}{24} - \frac{106}{24} = -\frac{97}{24} = -4\frac{1}{24}$$

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

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)

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

$$\begin{array}{l} -3 - 80 \\ -3 + (-80) \\ -83 \end{array}$$

$$-\frac{3}{10} - \frac{8}{1}$$

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

$$-\frac{83}{10} = -8\frac{3}{10}$$

2)

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

$25 + (-48)$

$$\frac{15}{10} + \left(-\frac{24}{5}\right)$$

$$\frac{25}{10} + \left(-\frac{48}{10}\right)$$

$$-\frac{23}{10} = \left(-2\frac{3}{10}\right)$$

3)

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

4)

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

