

HW: Worksheet

$$\frac{2}{3} \rightarrow \frac{4}{5} = \frac{8}{15}$$

Warm up:

$$1) 4 \cdot 3\frac{3}{8}$$

$$\begin{array}{l} \cancel{4} \rightarrow 27 \\ \cancel{3} \rightarrow 27 \\ \phantom{27} \cdot \frac{3}{8} \\ \hline 135 \\ \phantom{135} - \\ \phantom{135} 24 \\ \hline 159 \end{array} = 27 \frac{3}{8}$$

$$2) \frac{4}{5} \div \frac{2}{7}$$

$$\begin{array}{l} \cancel{4} \cdot \frac{7}{\cancel{2}} \\ \phantom{4} \cdot \frac{7}{5} \\ \hline 28 \\ \phantom{28} - \\ \phantom{28} 14 \\ \hline 14 \end{array} = 2\frac{14}{5}$$

$$3) (-4)^2$$

$$16$$

$$\frac{5}{6} \left( -\frac{1}{8} \right)$$

$$-\frac{5}{48}$$

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

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

$$\frac{35}{4} = 8\frac{3}{4}$$

$$-\frac{2}{3} \div \frac{1}{4}$$

$$= -\frac{2}{3} \cdot \frac{4}{1}$$

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

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

$$\frac{1}{\cancel{2}} \cdot \left( \frac{\cancel{2}}{\cancel{5}} \right) = \frac{24}{20} = 1 \frac{4}{20} = \left( 1 \frac{1}{5} \right)$$

$\frac{1}{5/6} = 1/5$

$$-1\frac{4}{9} \div (-3)$$

$$-\frac{13}{9} \div \left(-\frac{3}{1}\right)$$

$$-\frac{13}{9} \cdot \left(-\frac{1}{3}\right)$$

$$\frac{13}{27}$$

$$\left( \begin{array}{c} 3 \\ -\frac{3}{7} \end{array} \right)^2$$
$$-\frac{3}{7} \cdot \left( -\frac{3}{7} \right)$$
$$\frac{9}{49}$$

$$1) -\frac{5}{6} \cdot \frac{9}{10}$$

$$4) -5\frac{1}{2} \div 4$$

$$2) 4 \cdot \left(-\frac{3}{7}\right)$$

$$5) \frac{-1\frac{2}{3}}{-4\frac{2}{5}}$$

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

$$6) \left(-\frac{4}{9}\right)^2$$



$$1) \frac{\overset{1}{\cancel{5}}}{\underset{2}{\cancel{6}}} \cdot \frac{\overset{3}{\cancel{9}}}{\underset{2}{\cancel{10}}} = -\frac{45}{60} = -\frac{9}{12} = \textcircled{-\frac{3}{4}}$$

$$2) 4 \cdot \left(-\frac{3}{7}\right)$$

$$\frac{4}{1} \left(-\frac{3}{7}\right) = -\frac{12}{7} = -1\frac{5}{7}$$

$$3) -3\frac{1}{3} \cdot \left(-5\frac{4}{5}\right)$$
$$= \frac{10}{3} \left(-\frac{29}{5}\right) = \frac{58}{3} = 19\frac{1}{3}$$

$$4) -5\frac{1}{2} \div 4$$

$$-\frac{11}{2} \div \frac{4}{1}$$

$$-\frac{11}{2} \cdot \frac{1}{4} = -\frac{11}{8} = \textcircled{-1\frac{3}{8}}$$

$$5) \frac{-1\frac{2}{3}}{-4\frac{2}{5}}$$

$$-\frac{22}{5}$$

$$-\frac{5}{3} \cdot \left(-\frac{5}{22}\right) = \frac{25}{66}$$

$$6) \left(-\frac{4}{9}\right)^2$$

$$\left(-\frac{4}{9}\right)\left(-\frac{4}{9}\right) = \frac{16}{81}$$

