

HW: Worksheet

Warm up:

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

$$\begin{array}{r} \cancel{4} \cdot \cancel{2} \cancel{7} \\ \cancel{1} \cdot \cancel{2} \cancel{7} \\ \hline 2 \cancel{7} \end{array} = 13\frac{1}{2}$$

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

$$\begin{array}{r} \cancel{2} \\ \cancel{5} \cancel{4} \cdot \cancel{7} \\ \hline \cancel{5} \cancel{2} \end{array} = 2\frac{4}{5}$$

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

$$(-4)(-4)$$

$$16$$

$$\frac{5}{6} \left( \begin{array}{c} \rightarrow 1 \\ - \\ \rightarrow 8 \end{array} \right)$$

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

$$\begin{aligned} & -2\frac{1}{2} \cdot \left(-3\frac{1}{2}\right) \\ & -\frac{5}{2} \left(-\frac{7}{2}\right) \\ & \frac{35}{4} = 8\frac{3}{4} \end{aligned}$$

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

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

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

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

$$-\frac{3}{4} \div \left(-\frac{5}{8}\right)$$
$$-\frac{3}{4} \cdot \left(-\frac{8}{5}\right)$$
$$\frac{24}{20} = 1\frac{4}{20} \div 4$$
$$-\frac{3}{4} \cdot \left(-\frac{8}{5}\right) = \frac{3}{4} \cdot \frac{8}{5} = \frac{24}{20} = 1\frac{4}{20} \div 4 = 1\frac{1}{5}$$

$$1\frac{1}{5}$$

$$-1\frac{4}{9} \div (-3) \quad -\frac{13}{9} \div \left(-\frac{3}{1}\right)$$
$$-\frac{13}{9} \cdot \left(-\frac{1}{3}\right)$$
$$\frac{13}{27}$$

$$\left(-\frac{3}{7}\right)^2$$
$$-\frac{3}{7}\left(-\frac{3}{7}\right)$$
$$\frac{9}{49}$$

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

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

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

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

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

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



$$1) -\frac{\cancel{5}^1}{\cancel{6}_2} \cdot \frac{\cancel{9}^3}{\cancel{10}_2} = -\frac{3}{4}$$

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

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

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

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

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

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

$$- \frac{5}{3} \div \left(-\frac{22}{5}\right)$$

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

$$6) \left(-\frac{4}{9}\right)^2 \quad \left(-\frac{4}{9}\right)\left(-\frac{4}{9}\right) = \frac{16}{81}$$

