Name: _____ Date: _____

BLM 2–9

Section 2.3 Extra Practice

1. i) Estimate. **ii)** Then, calculate. Show your work.

a) $\frac{3}{8}+\frac{1}{4}$ **b)** $-\frac{1}{2}+\frac{7}{10}$ **c)** $3\frac{2}{3}+\left(-2\frac{1}{6}\right)$

d) $\frac{3}{10}-\left(-\frac{2}{5}\right)$ **e)** $-\frac{3}{4}+\frac{1}{2}$ **f)** $-\frac{1}{4}+\left(-2\frac{1}{3}\right)$

g) $-3\frac{1}{2}+1\frac{3}{7}$ **h)** $-\frac{2}{3}-\left(-\frac{5}{6}\right)$

2. i) Estimate. **ii)** Then, calculate. Show your work.

a) $\frac{1}{3}\times\left(-\frac{4}{5}\right)$ **b)** $2\frac{1}{2}\left(3\frac{2}{3}\right)$ **c)** $4\frac{1}{2}\div\left(-2\frac{1}{4}\right)$

d) $-\frac{3}{4}\div\left(-\frac{2}{5}\right)$ **e)** $-\frac{2}{3}\times\left(-\frac{3}{8}\right)$ **f)** $\frac{1}{6}\div\left(-\frac{5}{12}\right)$

g) $-\frac{5}{8}\div\left(-\frac{15}{16}\right)$ **h)** $1\frac{1}{8}\times\left(-2\frac{2}{7}\right)$

For #3 and 4,

a) *write an expression using rational numbers to represent the problem, then calculate*

b) *write a sentence to answer the problem*

3. Mark has 24 newspapers to deliver. In one apartment building, he delivers $\frac{3}{8}$ of them. In the next apartment building, he delivers $\frac{2}{3}$ of the remaining amount. How many papers does he have left to deliver?

4. The Rodriquez family has a monthly income of $6000. They budget $\frac{1}{3}$ for food, $\frac{1}{4}$ for rent, $\frac{1}{5}$ for clothing, and $\frac{1}{10}$ for savings. How much money is left for other expenses?

5. Complete each statement. Show your work.

a) $-1\frac{1}{2}-$ _____ $=\frac{5}{6}$ **b)** $\frac{2}{5}+$ _____ $=-\frac{3}{10}$

c) $-1\frac{3}{8}\times$ ____ $=2\frac{1}{4}$ **d)** _____ $\div\frac{2}{3}=-3\frac{1}{2}$