

Name: _____

Date: _____

Learning Goal 3.2

I can add and subtract rational numbers.

Rational Numbers ()**Recall** Adding integers:

a. $8 - 7$

b. $(-8) - 7$

c. $8 - (-7)$

d. $(-13) - (-9)$

e. $(-14) - 5$

f. $2 - (-12)$

Recall Adding decimals:

a. $8.5 - 7.2$

b. $(-8.5) - 7.2$

c. $8.5 - (-7.2)$

d. $(-10.3) - (-0.9)$

e. $(-21.4) - 5.6$

f. $2.2 - (-11.2)$

Finally Adding Fractions:1. Proper and Improper, with the **same denominator**.

a. $\frac{2}{7} - \frac{3}{7}$

b. $\left(-\frac{2}{7}\right) - \frac{3}{7}$

c. $\frac{2}{7} - \left(-\frac{3}{7}\right)$

d. $\left(-\frac{5}{6}\right) - \left(-\frac{11}{6}\right)$

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

f. $\frac{4}{3} - \left(-\frac{1}{3}\right)$

2. Proper and Improper, with **different denominators**.

a. $\frac{2}{5} - \frac{3}{2}$

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

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

d. $\left(-\frac{1}{6}\right) - \left(-2\frac{11}{12}\right)$

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

f. $1\frac{4}{5} - \left(-\frac{3}{8}\right)$