

## RATIONALS

### 1. Simplify.

a) $\frac{1}{4} + \frac{-3}{4} =$	b) $\frac{1}{2} - \frac{-2}{3} =$	c) $\frac{-3}{4} - \frac{1}{-4} =$	d) $\frac{-3}{5} + \frac{3}{-4} =$
e) $\frac{-1}{4} - 1\frac{1}{3} =$	f) $-8\frac{1}{4} - \frac{1}{-3} =$	g) $\frac{2}{-3} - 1\frac{5}{6} =$	h) $\frac{5}{-6} - 2\frac{1}{3} =$
i) $\frac{-3}{5} + \frac{-3}{4} - \frac{7}{10} =$	j) $\frac{-1}{8} - \frac{1}{-4} + \frac{-1}{2} =$	k) $\frac{2}{3} - \frac{-1}{2} - \frac{1}{-6} =$	l)

### 2. Multiply.

a) $\frac{4}{5} \times \frac{-20}{25} =$	b) $\frac{3}{-2} \times \frac{6}{-5} =$	c) $\left(\frac{-1}{3}\right)\left(\frac{2}{-5}\right) =$	d) $\left(\frac{9}{4}\right)\left(-\frac{2}{-3}\right) =$
e) $\frac{1}{-2} \times \frac{-2}{5} =$	f) $\frac{-4}{5} \times \frac{10}{-4} =$	g) $\left(\frac{-5}{12}\right)(-24) =$	h) $\left(\frac{-6}{10}\right)\left(-\frac{1}{2}\right) =$
i) $-2\frac{1}{4} \times \frac{2}{-9} =$	j) $-1\frac{1}{10} \times 3\frac{1}{11} =$	k) $\left(1\frac{3}{5}\right)(-12) =$	l) $\left(-4\frac{1}{6}\right)\left(-7\frac{3}{4}\right) =$

### 3. Divide.

a) $\frac{-4}{3} \div \frac{2}{-3} =$	b) $-7\frac{1}{8} \div \frac{3}{2} =$	c) $\frac{-2}{3} \div \frac{-3}{8} =$
d) $-\frac{3}{-2} \div \left(-\frac{1}{3}\right) =$	e) $-6 \div \left(-\frac{4}{5}\right) =$	f) $\left(-2\frac{1}{3}\right) \div \left(-3\frac{1}{2}\right) =$

**4. Simplify.**

<b>a)</b> $-\frac{2}{5} - \left(-\frac{1}{10} + \frac{1}{-2}\right) =$	<b>b)</b> $-\frac{1}{4} - \left(\frac{3}{4} - \frac{4}{-5}\right) =$	<b>c)</b> $-\frac{3}{5} \left(\frac{-3}{4} - \frac{-1}{4}\right) =$
<b>d)</b> $\frac{1}{-8} - \frac{-3}{4} \div \frac{5}{8} =$	<b>e)</b> $\frac{1}{-3} \div \frac{1}{-2} - \frac{-2}{3} =$	<b>f)</b> $-\frac{3}{5} - \left(\frac{-3}{5} - \frac{-2}{3}\right) =$