

The purpose of this exercise is to review one of the most important skills in math: operations with fractions

Reduce all of your answers to lowest terms. Do not write mixed fractions.

Write any rules or strategies that you use beside each solution.

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1. Add or subtract the following fractions.

a)  $\frac{1}{2} - \frac{3}{10}$

b)  $\frac{3}{4} + \frac{7}{20}$

2. Evaluate each of the following expressions.

a)  $5 - \frac{1}{3}$

b)  $\frac{2}{5} - \frac{1}{6} + \frac{1}{3}$

3. Multiply or divide the following fractions.

a)  $\frac{1}{2} \times \frac{4}{5}$

b)  $\frac{6}{7} \div \frac{3}{4}$

4. Evaluate each of the following expressions.

a)  $\frac{8}{30} \div 2$

b)  $\frac{3}{5} \div 4$

5. Evaluate each of the following expressions.

a)  $\frac{8}{15} \div \frac{2}{3}$

b)  $\frac{3}{5}$  of 7

6. Evaluate each of the following expressions.

a)  $50\left(\frac{1}{2}\right)^3$

b)  $2\left(6 - \frac{5}{2}\right)^2 + 3$