

Fraction Worksheet 2, Algebra

Simplify the following. Reduce fractions to lowest terms and rewrite improper fractions as mixed numbers.

1.  $-4 + \frac{4}{11} \left( 2 - \frac{5}{8} \right) =$

2.  $\left( \frac{7}{8} + 2\frac{1}{5} \right) + 1\frac{1}{8} =$

3.  $45 \left( \frac{7}{15} - \frac{4}{5} \right) =$

4.  $\frac{5}{12} + \frac{2}{5} - \frac{8}{21} =$

5.  $1\frac{33}{35} \div \frac{102}{21} \bullet 2\frac{1}{12} =$

6.  $\left( \frac{3}{10} - \frac{5}{6} \right) \div 4 =$

7.  $\frac{3}{8} + 4 \left( 1\frac{2}{5} \div \frac{2}{15} \right) =$

8.  $-2\frac{1}{8} + \frac{2}{5} \left( 1\frac{3}{7} - \frac{15}{14} \right) =$

9.  $\frac{1}{3} - \frac{1}{4} \left( \frac{3}{4} - \frac{2}{3} \right) =$

10.  $\frac{\frac{3}{14}}{\frac{3}{14} + 1\frac{5}{21}} =$

ANSWERS:

1.  $-3\frac{1}{2}$       2.  $4\frac{1}{5}$       3.  $-15$       4.  $\frac{61}{140}$       5.  $\frac{5}{6}$

6.  $-\frac{2}{15}$

7.  $42\frac{3}{8}$

8.  $-1\frac{25}{36}$

9.  $\frac{5}{16}$

10.  $\frac{9}{187}$