

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. $\frac{9}{187}$