

Fraction Worksheet 1, Arithmetic

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

1. $2 + \frac{2}{7} \left(3 - \frac{5}{18} \right) =$

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

3. $30 \left(1\frac{2}{15} - \frac{4}{5} \right) =$

4. $1\frac{7}{12} - \frac{1}{4} - \frac{8}{21} =$

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

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. $\frac{\frac{11}{14}}{2\frac{3}{7} + 1\frac{1}{2}} =$

Answers:

1. $2\frac{7}{9}$ 2. $7\frac{1}{3}$ 3. 10 4. $\frac{20}{21}$ 5. $\frac{5}{6}$
6. $\frac{-2}{15}$ 7. $39\frac{5}{8}$ 8. $1\frac{55}{56}$ 9. $\frac{5}{16}$ 10. $\frac{1}{5}$