

To pass this test you can have at most one error.

1. Write the improper fraction $\frac{129}{17}$ as a mixed number.
2. Determine the unknown quantity: $\frac{5}{12} = \frac{?}{48}$.
3. Combine $\frac{3}{4} - \frac{3}{72}$.
4. Combine $\frac{5}{3} - \frac{1}{2} + \frac{7}{12}$.
5. Simplify to a mixed number $3\frac{7}{11} - 1\frac{1}{3}$.
6. Simplify $\frac{1}{9} \div 2\frac{3}{14}$.
7. Simplify $\frac{(\frac{1}{12})}{(\frac{2}{3})}$.
8. Simplify $\frac{1}{9} \times 2\frac{3}{15}$.
9. Simplify $\frac{1}{3} \times \frac{12}{5} \times \frac{25}{4}$.
10. What is 95 percent of 228?
11. 98 is what percent of 56?
12. 34 is what percent of 2?
13. Simplify $\frac{48}{210}$ using prime factors in the numerator and denominator.
14. Find the LCD for the fractions $\frac{1}{21}$ and $\frac{2}{15}$.

Solutions

1. $7\frac{10}{17}$
2. 20
3. $\frac{17}{24}$
4. $\frac{7}{4}$
5. $2\frac{10}{33}$
6. $\frac{14}{279}$
7. $\frac{1}{8}$
8. $\frac{11}{45}$
9. 5
10. 216.6
11. 175%
12. 1700%
13. $\frac{8}{35}$
14. 105