Lowest Common Denominator Assignment

Directions: Create equivalent fractions with common denominators for each pair of fractions. Use the prime factorization method to find the least common denominator as shown in the example.

Example: $\frac{1}{2}$ and $\frac{3}{5}$

Step 1

LCD:

2: 2
5: 5
2 x 5 = 10

Step 2

Make equivalent fractions using the LCD:

$\frac{1}{2} \times \frac{5}{5} = \frac{5}{10}$

$\frac{3}{5} \times \frac{2}{2} = \frac{6}{10}$

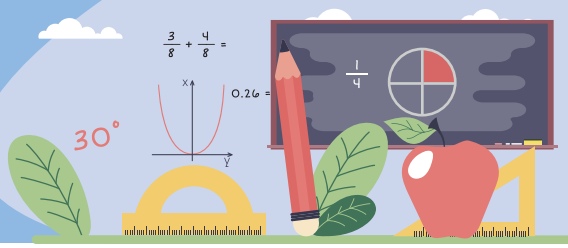
1) $\frac{2}{3}$ and $\frac{2}{6}$

2) $\frac{1}{4}$ and $\frac{1}{8}$

3) $\frac{1}{2}$ and $\frac{2}{3}$

Be sure to check your answers and look for mistakes!

Math 5



4) $\frac{3}{8}$ and $\frac{1}{3}$

5) $\frac{2}{5}$ and $\frac{3}{10}$

6) $\frac{3}{7}$ and $\frac{2}{3}$

7) $\frac{3}{4}$ and $\frac{2}{5}$

8) $\frac{1}{2}$ and $\frac{3}{12}$

9) $\frac{2}{15}$ and $\frac{3}{5}$

10) $\frac{5}{16}$ and $\frac{3}{8}$

11) $\frac{7}{12}$ and $\frac{3}{4}$

12) $\frac{3}{8}$ and $\frac{5}{12}$