math Antics
Exercises

Name:

Date:

Finding a Common Denominator: LCD

1 Find the Least Common Multiple (LCM) of 3 and 4

×1	×2	×3	×4	×5	×6
3	6	9	12		
4	8	12			

The LCM is 12

2 Find the Least Common Denominator (LCD) of: $\frac{1}{4}$ and $\frac{1}{5}$

×1	×2	×3	×4	×5	×6
4	8	12	16	20	
5	10	15	20		

The LCD is 20

3 $\frac{5}{8} + \frac{3}{10}$

×1	×2	×3	×4	×5	×6
8	16	24	32	40	
10	20	30	40		

$\frac{5}{5} \times \frac{5}{8} + \frac{3}{10} \times \frac{4}{4}$

$\frac{25}{40} + \frac{12}{40} = \frac{37}{40}$

4 $\frac{1}{2} + \frac{3}{8}$

$\frac{4}{4} \times \frac{1}{2} + \frac{3}{8}$

$\frac{4}{8} + \frac{3}{8} = \frac{7}{8}$

5 $\frac{7}{12} - \frac{1}{6}$

$\frac{7}{12} - \frac{1}{6} \times \frac{2}{2}$

$\frac{7}{12} - \frac{2}{12} = \frac{5}{12}$

6 $\frac{1}{10} + \frac{1}{100}$

$\frac{10}{10} \times \frac{1}{10} + \frac{1}{100}$

$\frac{10}{100} + \frac{1}{100} = \frac{11}{100}$

7 $\frac{2}{3} + \frac{1}{4} + \frac{1}{6}$

×1	×2	×3	×4	×5	×6
3	6	9	12		
4	8	12			
6	12				

$\left(\frac{4}{4}\right)\frac{2}{3} + \left(\frac{3}{3}\right)\frac{1}{4} + \left(\frac{2}{2}\right)\frac{1}{6}$

$\frac{8}{12} + \frac{3}{12} + \frac{2}{12} = \frac{13}{12}$ or $1\frac{1}{12}$

See Video for step-by-step solutions to each problem.