LCM

first number that both go into

LCD – least common denominator

6.3 Adding / Subtracting fractions with unlike denominators

$\frac{1}{9} + \frac{2}{3}$ LCD = 9

Rewrite $\frac{2 \times 3}{3 \times 3} = \frac{6}{9}$

$\frac{1}{9} + \frac{6}{9} = \frac{1+6}{9} = \frac{7}{9}$

LCD = One number may be a factor of the other

LCD(3, 9) = 9

Product of numbers No common factors

LCD(4, 5) = 20

Have common factors

LCD(8, 12) = 24

$\frac{5}{8} + \frac{3 \times 2}{4 \times 2}$ Rewrite the LCD

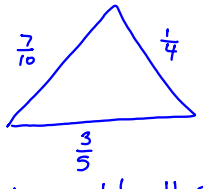
$\frac{5}{8} + \frac{6}{8} = \frac{5+6}{8} = \frac{11}{8} = 1\frac{3}{8}$

Simplify

$\frac{5 \times 7}{8 \times 7} - \frac{2 \times 8}{7 \times 8}$ Rewrite LCD=56 $\frac{35}{56} - \frac{16}{56} = \frac{19}{56}$

If we use the LCD you should be in simplest form

$\frac{9}{10} - \frac{1}{10} = \frac{8}{10}$



Perimeter add all sides

$\frac{7}{10} + \frac{3}{5} + \frac{1}{4}$ LCD 20

$\frac{14}{20} + \frac{12}{20} + \frac{5}{20} = \frac{14+12+5}{20} = \frac{31}{20} = 1\frac{11}{20}$

$\frac{7}{6} + \left(\frac{5}{8} - \frac{1}{4}\right)$ what is the LCD

24

$\frac{28}{24} + \left(\frac{15}{24} - \frac{6}{24}\right)$ $\frac{15-6}{24} = \frac{9}{24}$

$\frac{28}{24} + \frac{9}{24} = \frac{28+9}{24} = \frac{37}{24} = 1\frac{13}{24}$

$0.125 + \frac{5}{8}$

$\frac{125}{1000} + \frac{5}{8}$

$\frac{25}{200} + \frac{5}{8}$

$\frac{5}{40} + \frac{5}{8}$

$\frac{1}{8} + \frac{5}{8} = \frac{175}{8} = \frac{6}{8} = \frac{3}{4}$

$\frac{9}{10} - 0.625$

$\frac{9}{10} - \frac{625}{1000}$

$\frac{9}{10} - \frac{25}{40}$

$\frac{9}{10} - \frac{5}{8} = \frac{36}{40} - \frac{25}{40} = \frac{11}{40}$

P 304–305

3–48 by 3's