11/29 6.3 Fractions with Different Denominators

To Add or Subtract fractions with different denominators:

1. Find the LCD (Least Common Denominator) of the fractions
2. Rewrite the fractions using the LCD
3. Add or Subtract the fractions
4. Simplify!

p. 277: Ex 1

$$\frac{1}{8} + \frac{1}{12}$$

① 24 = LCD

② $\frac{1}{8} \times \frac{3}{3} = \frac{3}{24}$

$\frac{1}{12} \times \frac{2}{2} = \frac{2}{24}$

③ $\frac{3}{24} + \frac{2}{24} = \frac{5}{24}$

P.278:

① 8

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

② $\frac{3}{4}\times\frac{2}{2}=\frac{6}{8}$

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

④ $1\frac{3}{8}$

p. 278: #s 1-4: 2 min.

① $\frac{1}{3} + \frac{1}{9}$ ① LCD = 9 ② $\frac{1}{3} \times \frac{3}{3} = \boxed{\frac{3}{9}} + \frac{1}{9} = \frac{4}{9}$

② $1\frac{1}{4}$

③ $1\frac{11}{20}$

④ $1\frac{8}{15}$

p. 278: Ex 3

$$\frac{4}{5} - \frac{2}{3}$$

① LCD = 15

② $\frac{4}{5} \times \frac{3}{3} = \frac{12}{15}$

$\frac{2}{3} \times \frac{5}{5} = \frac{10}{15}$

③ $\frac{12}{15} - \frac{10}{15} = \frac{2}{15}$

p. 278: #s 5-9: 3 min.

(5) $\frac{5}{6} - \frac{3}{4} = \frac{1}{12}$

(6) $\frac{5}{8}$

(7) $\frac{1}{18}$

(8) $\frac{8}{15}$

(9) $\frac{7}{20}$ mi

In Class:

p. 279 #s 1-24

HW: WS 6.3

p. 79 #s 1-18