math Antics
Exercises

Name: _____

Date: _____

Finding a Common Denominator: ECD

1 Find the "Easiest Common Denominator" (ECD) for these two fractions:

$\frac{3}{4}$ and $\frac{1}{5}$

4 x 5 = 20
so the ECD is 20

2 Find the "Easiest Common Denominator" (ECD) for these two fractions:

$\frac{5}{6}$ and $\frac{2}{3}$

6 x 3 = 18
so the ECD is 18

3 Convert these to "like" fractions with the ECD method:

$\frac{3}{3} \times \frac{1}{4}$ and $\frac{2}{3} \times \frac{4}{4}$

$\frac{3}{12}$ $\frac{8}{12}$

4 Convert these to "like" fractions with the ECD method:

$\frac{2}{2} \times \frac{3}{7}$ and $\frac{1}{2} \times \frac{7}{7}$

$\frac{6}{14}$ $\frac{7}{14}$

5 $\frac{4}{5} + \frac{1}{2}$

$\frac{2}{2} \times \frac{4}{5} + \frac{1}{2} \times \frac{5}{5}$

$\frac{8}{10} + \frac{5}{10} = \frac{13}{10}$ or $1\frac{3}{10}$

6 $\frac{3}{2} - \frac{5}{9}$

$\frac{9}{9} \times \frac{3}{2} - \frac{5}{9} \times \frac{2}{2}$

$\frac{27}{18} - \frac{10}{18} = \frac{17}{18}$

7 $\frac{1}{3} + \frac{5}{8}$

$\frac{8}{8} \times \frac{1}{3} + \frac{5}{8} \times \frac{3}{3}$

$\frac{8}{24} + \frac{15}{24} = \frac{23}{24}$

8 $\frac{7}{8} - \frac{2}{5}$

$\frac{5}{5} \times \frac{7}{8} - \frac{2}{5} \times \frac{8}{8}$

$\frac{35}{40} - \frac{16}{40} = \frac{19}{40}$

9 $\frac{3}{10} + \frac{4}{8}$

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

$\frac{24}{80} + \frac{40}{80} = \frac{64}{80}$ or $\frac{4}{5}$

10 $\frac{9}{15} - \frac{7}{24}$

$\frac{24}{24} \times \frac{9}{15} - \frac{7}{24} \times \frac{15}{15}$

$\frac{216}{360} - \frac{105}{360} = \frac{111}{360}$

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