

## Changing 'Un-Like' Fractions into 'Like' Fractions

ECD 1

**Instructions:** Change these 'un-like' fractions into 'like' fractions using the ECD method you learned in the video. Use the guides to help you. The first one has been done for you.

1

$$\frac{1}{2} \quad \frac{3}{5}$$

$$\frac{5}{5} \times \frac{1}{2} \quad \frac{3}{5} \times \frac{2}{2}$$

$$\frac{5}{10} \quad \frac{6}{10}$$

2

$$\frac{5}{6} \quad \frac{1}{4}$$

$$\text{---} \times \frac{5}{6} \quad \frac{1}{4} \times \text{---}$$

$$\text{---} \quad \text{---}$$

3

$$\frac{1}{3} \quad \frac{1}{4}$$

$$\text{---} \times \frac{1}{3} \quad \frac{1}{4} \times \text{---}$$

$$\text{---} \quad \text{---}$$

4

$$\frac{2}{3} \quad \frac{1}{8}$$

$$\text{---} \times \frac{2}{3} \quad \frac{1}{8} \times \text{---}$$

$$\text{---} \quad \text{---}$$

5

$$\frac{2}{7} \quad \frac{1}{2}$$

$$\text{---} \times \frac{2}{7} \quad \frac{1}{2} \times \text{---}$$

$$\text{---} \quad \text{---}$$

6

$$\frac{3}{4} \quad \frac{3}{10}$$

$$\text{---} \times \frac{3}{4} \quad \frac{3}{10} \times \text{---}$$

$$\text{---} \quad \text{---}$$

7

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

$$\text{---} \times \frac{2}{3} \quad \frac{5}{6} \times \text{---}$$

$$\text{---} \quad \text{---}$$

8

$$\frac{3}{5} \quad \frac{7}{9}$$

$$\text{---} \times \frac{3}{5} \quad \frac{7}{9} \times \text{---}$$

$$\text{---} \quad \text{---}$$

## Adding 'Un-Like' Fractions Using the ECD Method

ECD 2

**Instructions:** Add these 'un-like' fractions using the ECD method you learned in the video. Use the guides to help you. You do **not** need to simplify your answers.

1

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

$$\frac{5}{5} \times \frac{3}{4} + \frac{1}{5} \times \frac{4}{4}$$

$$\frac{15}{20} + \frac{4}{20} = \frac{19}{20}$$

2

$$\frac{2}{5} + \frac{3}{8}$$

$$\text{---} \times \frac{2}{5} + \frac{3}{8} \times \text{---}$$

$$\text{---} + \text{---} = \text{---}$$

3

$$\frac{1}{6} + \frac{1}{3}$$

$$\text{---} \times \frac{1}{6} + \frac{1}{3} \times \text{---}$$

$$\text{---} + \text{---} = \text{---}$$

4

$$\frac{1}{2} + \frac{5}{8}$$

$$\text{---} \times \frac{1}{2} + \frac{5}{8} \times \text{---}$$

$$\text{---} + \text{---} = \text{---}$$

5

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

$$\text{---} \times \frac{4}{5} + \frac{3}{8} \times \text{---}$$

$$\text{---} + \text{---} = \text{---}$$

6

$$\frac{1}{4} + \frac{5}{7}$$

$$\text{---} \times \frac{1}{4} + \frac{5}{7} \times \text{---}$$

$$\text{---} + \text{---} = \text{---}$$

7

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

$$\text{---} \times \frac{2}{7} + \frac{1}{3} \times \text{---}$$

$$\text{---} + \text{---} = \text{---}$$

8

$$\frac{2}{9} + \frac{1}{7}$$

$$\text{---} \times \frac{2}{9} + \frac{1}{7} \times \text{---}$$

$$\text{---} + \text{---} = \text{---}$$

## Subtracting 'Un-Like' Fractions Using the ECD Method

ECD 3

**Instructions:** Subtract these 'un-like' fractions using the ECD method you learned in the video. Use the guides to help you. You do **not** need to simplify your answers.

1

$$\frac{3}{4} - \frac{2}{6}$$

$$\frac{6}{6} \times \frac{3}{4} - \frac{2}{6} \times \frac{4}{4}$$

$$\frac{18}{24} - \frac{8}{24} = \frac{10}{24}$$

2

$$\frac{5}{7} - \frac{1}{2}$$

$$\text{---} \times \frac{5}{7} - \frac{1}{2} \times \text{---}$$

$$\text{---} - \text{---} = \text{---}$$

3

$$\frac{2}{3} - \frac{1}{5}$$

$$\text{---} \times \frac{2}{3} - \frac{1}{5} \times \text{---}$$

$$\text{---} - \text{---} = \text{---}$$

4

$$\frac{7}{9} - \frac{2}{3}$$

$$\text{---} \times \frac{7}{9} - \frac{2}{3} \times \text{---}$$

$$\text{---} - \text{---} = \text{---}$$

5

$$\frac{2}{6} - \frac{1}{4}$$

$$\text{---} \times \frac{2}{6} - \frac{1}{4} \times \text{---}$$

$$\text{---} - \text{---} = \text{---}$$

6

$$\frac{3}{2} - \frac{8}{9}$$

$$\text{---} \times \frac{3}{2} - \frac{8}{9} \times \text{---}$$

$$\text{---} - \text{---} = \text{---}$$

7

$$\frac{3}{5} - \frac{3}{8}$$

$$\text{---} \times \frac{3}{5} - \frac{3}{8} \times \text{---}$$

$$\text{---} - \text{---} = \text{---}$$

8

$$\frac{6}{10} - \frac{3}{8}$$

$$\text{---} \times \frac{6}{10} - \frac{3}{8} \times \text{---}$$

$$\text{---} - \text{---} = \text{---}$$

## Mixed Practice Using the ECD Method

ECD 4

**Instructions:** Add or subtract these 'un-like' fractions using the ECD method you learned in the video. Show your work. You do **not** need to simplify your answers.

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

2  $\frac{4}{3} - \frac{5}{7}$

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

$$\frac{16}{24} + \frac{3}{24} = \left( \frac{19}{24} \right)$$

3  $\frac{4}{6} - \frac{1}{5}$

4  $\frac{9}{10} - \frac{1}{3}$

5  $\frac{3}{8} + \frac{3}{2}$

6  $\frac{2}{7} + \frac{5}{6}$

7  $\frac{7}{10} - \frac{3}{5}$

8  $\frac{5}{11} + \frac{2}{5}$

## Mixed Practice Using the ECD Method - Set 2

ECD 5

**Instructions:** Add or subtract these 'un-like' fractions using the ECD method you learned in the video. Show your work. You do **not** need to simplify your answers.

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

$$2 \quad \frac{10}{12} + \frac{2}{3}$$

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

$$\frac{8}{10} + \frac{5}{10} = \left( \frac{13}{10} \right)$$

$$3 \quad \frac{5}{3} - \frac{1}{4}$$

$$4 \quad \frac{1}{9} + \frac{1}{8}$$

$$5 \quad \frac{3}{10} + \frac{1}{9}$$

$$6 \quad \frac{6}{7} + \frac{3}{4}$$

$$7 \quad \frac{1}{4} - \frac{2}{11}$$

$$8 \quad \frac{4}{7} - \frac{1}{10}$$