math Antics Worksheets

Name: _____

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

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

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

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

2 $\frac{5}{6}$ $\frac{1}{4}$

$\_\_ \times \frac{5}{6}$ $\frac{1}{4} \times \_\_$

$\_\_$ $\_\_$

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

$\_\_ \times \frac{1}{3}$ $\frac{1}{4} \times \_\_$

$\_\_$ $\_\_$

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

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

$\_\_$ $\_\_$

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

$\_\_ \times \frac{2}{7}$ $\frac{1}{2} \times \_\_$

$\_\_$ $\_\_$

6 $\frac{3}{4}$ $\frac{3}{10}$

$\_\_ \times \frac{3}{4}$ $\frac{3}{10} \times \_\_$

$\_\_$ $\_\_$

7 $\frac{2}{3}$ $\frac{5}{6}$

$\_\_ \times \frac{2}{3}$ $\frac{5}{6} \times \_\_$

$\_\_$ $\_\_$

8 $\frac{3}{5}$ $\frac{7}{9}$

$\_\_ \times \frac{3}{5}$ $\frac{7}{9} \times \_\_$

$\_\_$ $\_\_$

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Adding 'Un-Like' Fractions Using the ECD Method

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

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

$\_\_ + \_\_ = \_\_$

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

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

$\_\_ + \_\_ = \_\_$

4 $\frac{1}{2} + \frac{5}{8}$

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

$\_\_ + \_\_ = \_\_$

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

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

$\_\_ + \_\_ = \_\_$

6 $\frac{1}{4} + \frac{5}{7}$

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

$\_\_ + \_\_ = \_\_$

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

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

$\_\_ + \_\_ = \_\_$

8 $\frac{2}{9} + \frac{1}{7}$

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

$\_\_ + \_\_ = \_\_$

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Subtracting 'Un-Like' Fractions Using the ECD Method

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

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

$\frac{\quad}{\quad} - \frac{\quad}{\quad} = \frac{\quad}{\quad}$

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

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

$\frac{\quad}{\quad} - \frac{\quad}{\quad} = \frac{\quad}{\quad}$

4 $\frac{7}{9} - \frac{2}{3}$

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

$\frac{\quad}{\quad} - \frac{\quad}{\quad} = \frac{\quad}{\quad}$

5 $\frac{2}{6} - \frac{1}{4}$

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

$\frac{\quad}{\quad} - \frac{\quad}{\quad} = \frac{\quad}{\quad}$

6 $\frac{3}{2} - \frac{8}{9}$

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

$\frac{\quad}{\quad} - \frac{\quad}{\quad} = \frac{\quad}{\quad}$

7 $\frac{3}{5} - \frac{3}{8}$

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

$\frac{\quad}{\quad} - \frac{\quad}{\quad} = \frac{\quad}{\quad}$

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

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

$\frac{\quad}{\quad} - \frac{\quad}{\quad} = \frac{\quad}{\quad}$

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Mixed Practice Using the ECD Method

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

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

$\frac{16}{24} + \frac{3}{24} = \frac{19}{24}$

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

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

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Mixed Practice Using the ECD Method - Set 2

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

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

$\frac{8}{10} + \frac{5}{10} = \frac{13}{10}$

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

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

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

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

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

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

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