

## Assignment #1: Problems 2-18, evens

## Add Fractions

Name \_\_\_\_\_

Date \_\_\_\_\_

Add:  $\frac{3}{5} + \frac{7}{10} + \frac{1}{2}$

Find the LCD  
of the fractions.Multiples of 5: 5, **10**, 15, 20, . . .Multiples of 10: **10**, 20, 30, 40, . . .Multiples of 2: 2, 4, 6, 8, **10**, . . .

The LCD is 10.

Rename each fraction.

$$\frac{3}{5} = \frac{3 \times 2}{5 \times 2} = \frac{6}{10}$$

$$\frac{7}{10} = \frac{7}{10}$$

$$+ \frac{1}{2} = \frac{1 \times 5}{2 \times 5} = \frac{5}{10}$$

Add. Then simplify.

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

$$\frac{7}{10}$$

$$+ \frac{5}{10}$$

$$\frac{18}{10} = 1\frac{8}{10} = 1\frac{4}{5}$$

Find the LCD for each set of fractions.

1.  $\frac{3}{4}, \frac{5}{16}$  \_\_\_\_\_

2.  $\frac{3}{5}, \frac{1}{9}$  \_\_\_\_\_

3.  $\frac{5}{6}, \frac{7}{9}, \frac{2}{3}$  \_\_\_\_\_

4.  $\frac{3}{8}, \frac{1}{4}, \frac{5}{6}$  \_\_\_\_\_

Find the LCD for each group of fractions below, then add. Be sure to simplify your answer.

5. 
$$\begin{array}{r} \frac{1}{8} \\ + \frac{3}{4} \\ \hline \end{array}$$

6. 
$$\begin{array}{r} \frac{4}{7} \\ + \frac{3}{5} \\ \hline \end{array}$$

7. 
$$\begin{array}{r} \frac{1}{6} \\ + \frac{7}{8} \\ \hline \end{array}$$

8. 
$$\begin{array}{r} \frac{2}{3} \\ + \frac{5}{12} \\ \hline \end{array}$$

9. 
$$\begin{array}{r} \frac{5}{14} \\ + \frac{3}{7} \\ \hline \end{array}$$

10. 
$$\begin{array}{r} \frac{9}{24} \\ + \frac{5}{12} \\ \hline \end{array}$$

11. 
$$\begin{array}{r} \frac{5}{6} \\ + \frac{7}{18} \\ \hline \end{array}$$

12. 
$$\begin{array}{r} \frac{4}{5} \\ + \frac{7}{12} \\ \hline \end{array}$$

13. 
$$\begin{array}{r} \frac{7}{12} \\ + \frac{7}{9} \\ \hline \end{array}$$

14. 
$$\begin{array}{r} \frac{8}{9} \\ + \frac{1}{2} \\ \hline \end{array}$$

15. 
$$\begin{array}{r} \frac{5}{9} \\ \frac{7}{12} \\ + \frac{1}{3} \\ \hline \end{array}$$

16. 
$$\begin{array}{r} \frac{3}{8} \\ \frac{1}{6} \\ + \frac{3}{4} \\ \hline \end{array}$$

17. 
$$\begin{array}{r} \frac{7}{9} \\ \frac{1}{2} \\ + \frac{1}{6} \\ \hline \end{array}$$

18. 
$$\begin{array}{r} \frac{3}{4} \\ \frac{5}{6} \\ + \frac{3}{8} \\ \hline \end{array}$$

19. 
$$\begin{array}{r} \frac{1}{2} \\ \frac{1}{3} \\ + \frac{1}{4} \\ \hline \end{array}$$