

Multiplying and Dividing Fractions:

Name: _____

OBJECTIVE: Changing mixed numbers to improper fractions.

Remember: denominators need not be the same!

$$2 \frac{5}{9} =$$

$$3 \frac{5}{6} =$$

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

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

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

$$4 \frac{3}{5} =$$

$$2 \frac{1}{16} =$$

$$3 \frac{7}{10} =$$

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

$$3 \frac{2}{3} =$$

$$3 \frac{4}{5} =$$

$$5 \frac{4}{5} =$$

OBJECTIVE: Multiplying proper fractions (express in lowest terms).

$$\frac{2}{7} \times \frac{3}{7} =$$

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

$$\frac{3}{8} \times \frac{1}{4} =$$

$$\frac{4}{5} \times \frac{3}{4} =$$

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

$$\frac{2}{3} \times \frac{3}{14} =$$

$$\frac{9}{16} \times \frac{2}{3} =$$

$$\frac{14}{15} \times \frac{5}{6} =$$

$$\frac{8}{9} \times \frac{6}{10} =$$

OBJECTIVE: Multiplying a proper fraction by a whole number (express in lowest terms).

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

$$\frac{2}{3} \times 21 =$$

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

$$\frac{4}{9} \times 32 =$$

$$\frac{1}{6} \times 14 =$$

$$\frac{1}{3} \times 6 =$$

$$\frac{5}{7} \times 11 =$$

$$\frac{7}{8} \times 24 =$$

$$\frac{1}{4} \times 13 =$$

OBJECTIVE: Multiplying a proper fraction by a mixed number (express in lowest terms).

$$\frac{2}{5} \times 6\frac{3}{8} =$$

$$\frac{9}{10} \times 3\frac{1}{3} =$$

$$\frac{7}{20} \times 4\frac{3}{7} =$$

$$\frac{14}{18} \times 1\frac{2}{7} =$$

$$\frac{3}{4} \times 5\frac{1}{2} =$$

$$\frac{8}{23} \times 2\frac{7}{9} =$$

$$\frac{3}{16} \times 7\frac{1}{3} =$$

$$\frac{12}{20} \times 1\frac{2}{3} =$$

$$\frac{3}{8} \times 6\frac{5}{6} =$$

OBJECTIVE: Dividing a proper fraction
by a proper fraction
(express in lowest terms).



$$\frac{2}{3} \div \frac{3}{5} =$$

$$\frac{7}{8} \div \frac{3}{4} =$$

$$\frac{3}{7} \div \frac{3}{11} =$$

$$\frac{4}{5} \div \frac{7}{9} =$$

$$\frac{11}{12} \div \frac{2}{3} =$$

$$\frac{3}{16} \div \frac{3}{8} =$$

$$\frac{1}{10} \div \frac{2}{21} =$$

$$\frac{7}{8} \div \frac{5}{11} =$$

$$\frac{7}{10} \div \frac{3}{5} =$$

OBJECTIVE: Dividing a proper fraction
by a whole number (express
in lowest terms).

$$\frac{3}{4} \div 12 =$$

$$\frac{4}{9} \div 3 =$$

$$\frac{3}{5} \div 2 =$$

$$\frac{5}{6} \div 3 =$$

$$\frac{5}{9} \div 20 =$$

$$\frac{12}{17} \div 18 =$$

$$\frac{8}{9} \div 24 =$$

$$\frac{5}{6} \div 15 =$$

$$\frac{5}{8} \div 10 =$$

OBJECTIVE: Dividing a proper fraction
by a mixed number
(express in lowest terms).

$$\frac{1}{5} \div 1 \frac{1}{2} =$$

$$\frac{4}{5} \div 4 \frac{2}{3} =$$

$$\frac{1}{3} \div 1 \frac{1}{2} =$$

$$\frac{5}{8} \div 1 \frac{3}{5} =$$

$$\frac{7}{10} \div 4 \frac{1}{5} =$$

$$\frac{3}{4} \div 2 \frac{2}{5} =$$

$$\frac{2}{3} \div 4 \frac{1}{6} =$$

$$\frac{7}{12} \div 3 \frac{1}{2} =$$

$$\frac{1}{2} \div 2 \frac{1}{8} =$$

$$4 \frac{1}{5} \div \frac{9}{10} =$$

$$7 \frac{1}{2} \div \frac{4}{5} =$$

$$6 \frac{1}{4} \div \frac{4}{5} =$$

$$3 \frac{1}{2} \div \frac{2}{3} =$$

$$5 \frac{1}{2} \div \frac{1}{4} =$$

$$2 \frac{2}{5} \div \frac{4}{5} =$$

$$2 \frac{1}{7} \div \frac{5}{9} =$$

$$3 \frac{2}{5} \div \frac{3}{5} =$$

$$2 \frac{2}{3} \div \frac{4}{7} =$$

Adding and Subtracting Fractions

Name: _____

OBJECTIVE: Adding two fractions with like denominators where the sum is a whole number or mixed number.

Remember: denominators MUST be the same!

$$\begin{array}{r} \frac{9}{10} \\ + \frac{2}{10} \\ \hline \end{array}$$

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

$$\begin{array}{r} \frac{11}{15} \\ + \frac{6}{15} \\ \hline \end{array}$$

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

$$\begin{array}{r} \frac{5}{8} \\ + \frac{6}{8} \\ \hline \end{array}$$

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

$$\begin{array}{r} \frac{2}{8} \\ + \frac{6}{8} \\ \hline \end{array}$$

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

$$\begin{array}{r} \frac{7}{8} \\ + \frac{2}{8} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{2}{9} \\ + \frac{7}{9} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{7}{15} \\ + \frac{1}{3} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{2}{15} \\ + \frac{1}{5} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{2}{3} \\ + \frac{2}{6} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{5}{10} \\ + \frac{1}{30} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{2}{3} \\ + \frac{5}{9} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{4}{10} \\ + \frac{2}{20} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{5}{14} \\ + \frac{2}{28} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{2}{24} \\ + \frac{8}{12} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{4}{6} \\ + \frac{5}{12} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{1}{2} \\ + \frac{2}{16} \\ \hline \end{array}$$

OBJECTIVE: Adding two fractions with unlike denominators where both denominators must be changed (express in lowest terms).

$$\begin{array}{r} \frac{7}{8} \\ + \frac{2}{3} \\ \hline \end{array}$$

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

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

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

$$\begin{array}{r} \frac{1}{5} \\ + \frac{2}{3} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{4}{7} \\ + \frac{8}{9} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{5}{7} \\ + \frac{2}{3} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{2}{7} \\ + \frac{5}{6} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{9}{10} \\ + \frac{3}{6} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{1}{8} \\ + \frac{3}{12} \\ \hline \end{array}$$

$$\begin{array}{r} 42 \frac{3}{4} \\ + 15 \frac{5}{6} \\ \hline \end{array}$$

$$\begin{array}{r} 38 \frac{5}{6} \\ + 41 \frac{2}{9} \\ \hline \end{array}$$

$$\begin{array}{r} 29 \frac{2}{5} \\ + 46 \frac{3}{4} \\ \hline \end{array}$$

$$\begin{array}{r} 36 \frac{2}{3} \\ + 12 \frac{2}{5} \\ \hline \end{array}$$

$$\begin{array}{r} 21 \frac{5}{6} \\ + 21 \frac{5}{9} \\ \hline \end{array}$$

$$\begin{array}{r} 34 \frac{1}{3} \\ + 27 \frac{3}{4} \\ \hline \end{array}$$

$$\begin{array}{r} 29 \frac{3}{8} \\ + 16 \frac{2}{5} \\ \hline \end{array}$$

$$\begin{array}{r} 49 \frac{4}{5} \\ + 36 \frac{1}{2} \\ \hline \end{array}$$

OBJECTIVE: Subtracting proper fractions with like denominators (express in lowest terms).

$$\begin{array}{r} \frac{6}{8} \\ - \frac{4}{8} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{12}{16} \\ - \frac{8}{16} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{7}{12} \\ - \frac{4}{12} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{8}{9} \\ - \frac{5}{9} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{11}{15} \\ - \frac{6}{15} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{6}{10} \\ - \frac{4}{10} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{7}{14} \\ - \frac{5}{14} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{6}{8} \\ - \frac{2}{8} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{12}{18} \\ - \frac{6}{18} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{11}{16} \\ - \frac{9}{16} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{1}{2} \\ - \frac{3}{7} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{11}{12} \\ - \frac{5}{6} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{7}{9} \\ - \frac{5}{12} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{3}{4} \\ - \frac{2}{3} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{4}{7} \\ - \frac{2}{5} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{1}{2} \\ - \frac{3}{16} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{5}{12} \\ - \frac{3}{8} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{5}{9} \\ - \frac{2}{7} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{2}{3} \\ - \frac{1}{5} \\ \hline \end{array}$$

$$\begin{array}{r} \frac{1}{3} \\ - \frac{1}{8} \\ \hline \end{array}$$

Name _____



OBJECTIVE: Subtracting mixed numbers with unlike denominators, no regrouping (express in lowest terms).

$$\begin{array}{r} 26\frac{1}{2} \\ - 13\frac{3}{16} \\ \hline \end{array}$$

$$\begin{array}{r} 17\frac{3}{4} \\ - 11\frac{5}{12} \\ \hline \end{array}$$

$$\begin{array}{r} 16\frac{11}{12} \\ - 12\frac{5}{6} \\ \hline \end{array}$$

$$\begin{array}{r} 27\frac{3}{4} \\ - 15\frac{3}{8} \\ \hline \end{array}$$

$$\begin{array}{r} 35\frac{3}{4} \\ - 21\frac{1}{5} \\ \hline \end{array}$$

$$\begin{array}{r} 88\frac{7}{9} \\ - 47\frac{1}{3} \\ \hline \end{array}$$

$$\begin{array}{r} 47\frac{11}{12} \\ - 10\frac{3}{4} \\ \hline \end{array}$$

$$\begin{array}{r} 26\frac{13}{18} \\ - 12\frac{5}{9} \\ \hline \end{array}$$

$$\begin{array}{r} 14\frac{3}{4} \\ - 11\frac{5}{16} \\ \hline \end{array}$$

$$\begin{array}{r} 36\frac{16}{18} \\ - 23\frac{2}{3} \\ \hline \end{array}$$

$$\begin{array}{r} 67\frac{4}{5} \\ - 24\frac{3}{10} \\ \hline \end{array}$$

$$\begin{array}{r} 15\frac{2}{3} \\ - 14\frac{5}{12} \\ \hline \end{array}$$

$$\begin{array}{r} 27\frac{7}{10} \\ - 14\frac{2}{5} \\ \hline \end{array}$$

$$\begin{array}{r} 35\frac{13}{15} \\ - 22\frac{2}{3} \\ \hline \end{array}$$

$$\begin{array}{r} 29\frac{13}{14} \\ - 14\frac{5}{7} \\ \hline \end{array}$$

$$\begin{array}{r} 88\frac{12}{16} \\ - 22\frac{1}{4} \\ \hline \end{array}$$