

MULTIPLY & DIVIDE MIXED NUMERALS

- **Multiply:** Cancel factors if possible, then multiply across
- **Divide:** Stay - change - Flip
- **Change:** Mixed numbers to Improper Fractions
- **Calculators:** (Whole + numerator ÷ denominator)

Examples:

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

$$\begin{array}{r} 3 \\ \cancel{9}^{\cancel{3}} \times \frac{\cancel{2}^1}{\cancel{8}^2} \\ \hline 2 \\ \hline \end{array}$$

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

2. $2\frac{2}{5} \times 2$

$$\frac{12}{5} \times \frac{2}{1}$$

$$\frac{24}{5}$$

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

3. $3\frac{1}{8} \div 1\frac{1}{4}$

SCF

$$\frac{25}{8} \div \frac{5}{4}$$

$$\begin{array}{r} 5 \\ \cancel{25}^{\cancel{5}} \times \frac{\cancel{4}^1}{\cancel{8}^2} \\ \hline 2 \\ \hline \end{array}$$

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

4. $2\frac{1}{3} \div 7$

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

$$\frac{\cancel{7}^1}{3} \times \frac{1}{\cancel{7}^1}$$

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

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5. $1\frac{5}{9} \times 2\frac{4}{7}$

CALC: 4

6. $1\frac{2}{7} \div 1\frac{13}{14}$

CALC: $\frac{2}{3}$

7. $2\frac{4}{17} \div 1\frac{9}{10}$

CALC: $1\frac{3}{17}$

8. $2\frac{2}{5} \times 1\frac{3}{7}$

Calc: $3\frac{3}{7}$

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HOMEWORK

Worksheet - Multiplying and Dividing Fractions

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