

• Multiplying Mixed Numbers

example: $1\frac{1}{4} \times 2\frac{2}{5}$

1. Change mixed number to improper fraction

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

(Note: Curved arrows and 'x' marks indicate the conversion of mixed numbers to improper fractions.)

$$\frac{5}{4} \times \frac{12}{5}$$

2. multiply numerators
3. multiply denominators

$$\frac{5}{4} \times \frac{12}{5} = \frac{60}{20}$$

4. If necessary, simplify

$$\frac{60}{20} \boxed{\begin{array}{l} \div 20 \\ \div 20 \end{array}} = \frac{3}{1} = 3$$