

Topic	Multiplying Mixed Numbers	
Notes	<ul style="list-style-type: none"> ✓ Convert the mixed numbers into fractions. $a\frac{c}{b} = a + \frac{c}{b} = \frac{ab+c}{b}$ ✓ Multiply fractions and simplify if necessary. $\frac{a}{b} \times \frac{c}{d} = \frac{a \times c}{b \times d}$ ✓ If the answer is an improper fraction (numerator is bigger than denominator), convert it into a mixed number. 	
Example	<p>Multiply $2\frac{1}{2} \times 4\frac{1}{3}$</p> <p>Convert mixed numbers into fractions: $2\frac{1}{2} = \frac{2 \times 2 + 1}{2} = \frac{5}{2}$ and $4\frac{1}{3} = \frac{4 \times 3 + 1}{3} = \frac{13}{3}$</p> <p>Multiply two fractions: $\frac{5}{2} \times \frac{13}{3} = \frac{5 \times 13}{2 \times 3} = \frac{65}{6}$</p> <p>The answer is an improper fraction. Convert it into a mixed number:</p> $\frac{65}{6} = 10\frac{5}{6}$	
Your Turn!	1) $2\frac{2}{3} \times 1\frac{2}{3} =$	2) $4\frac{1}{5} \times 2\frac{2}{3} =$
	3) $3\frac{2}{5} \times 3\frac{2}{3} =$	4) $3\frac{1}{2} \times 4\frac{1}{3} =$
	5) $5\frac{3}{4} \times 2\frac{1}{5} =$	6) $6\frac{2}{7} \times 9\frac{1}{4} =$
	7) $4\frac{4}{5} \times 3\frac{2}{9} =$	8) $5\frac{1}{6} \times 3\frac{1}{4} =$

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