

## LESSON 30

# Multiplication Of Mixed Numbers

Mixed numbers can be multiplied after changing them to improper fractions.

Example 1: Multiply  $7 \frac{1}{2} \times 1 \frac{1}{4}$

$$7 \frac{1}{2} \times 1 \frac{1}{4}$$

$$\frac{15}{2} \times \frac{5}{4} = \frac{75}{8} = 9 \frac{3}{8}$$

Example 2: Multiply  $1 \frac{1}{5} \times 3 \frac{1}{3}$

$$1 \frac{1}{5} \times 3 \frac{1}{3}$$

$$\frac{\overset{2}{\cancel{6}}}{\cancel{5}} \times \frac{\overset{2}{\cancel{10}}}{\cancel{3}} = \frac{4}{1} = 4$$

# Multiply By Changing The Mixed Numbers To Improper Fractions

1. $1 \frac{2}{3} \times \frac{2}{7}$ $\frac{5}{3} \times \frac{2}{7} = \frac{10}{21}$	6. $4 \frac{1}{2} \times \frac{2}{5}$	11. $2 \frac{2}{5} \times 1 \frac{1}{9}$
2. $3 \frac{1}{5} \times \frac{2}{3}$	7. $3 \frac{4}{5} \times \frac{1}{19}$	12. $3 \frac{3}{5} \times 1 \frac{7}{18}$
3. $1 \frac{1}{8} \times 7$	8. $6 \frac{1}{5} \times 5$	13. $6 \frac{1}{4} \times 1 \frac{3}{10}$
4. $1 \frac{2}{3} \times 2 \frac{3}{4}$	9. $2 \frac{2}{7} \times \frac{7}{16}$	14. $5 \frac{1}{7} \times 1 \frac{5}{9}$
5. $1 \frac{1}{7} \times 1 \frac{1}{7}$	10. $3 \frac{1}{8} \times 1 \frac{2}{25}$	15. $4 \frac{2}{7} \times 1 \frac{17}{18}$