# MULTIPLYING FRACTIONS AND MIXED NUMBER

Lesson 1.6 and 1.7

# AB Game

- Improper Fraction
- Divide Evenly
- Least Common Multiple
- Reciprocal

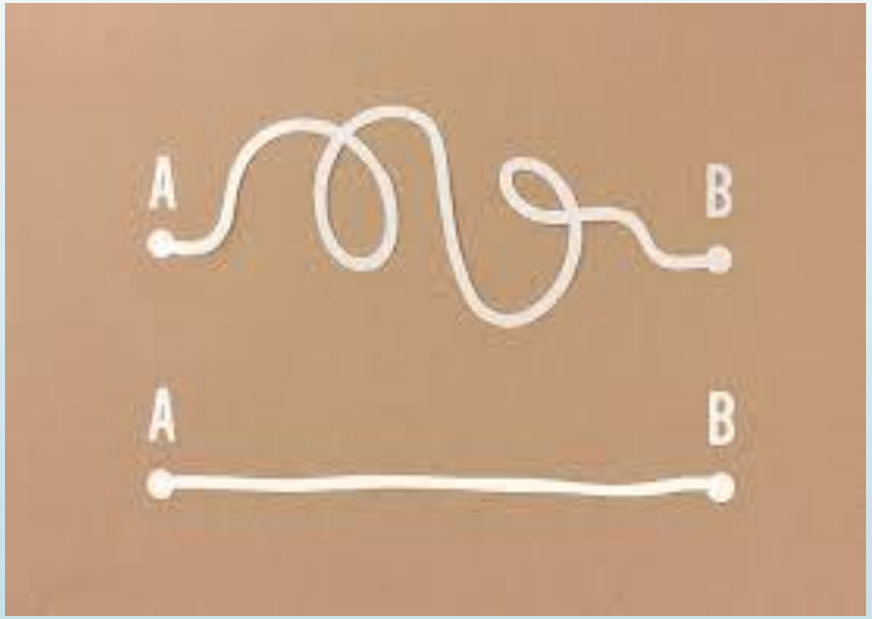
# MULTIPLYING FRACTIONS

1. Multiply the top, then multiply the bottom.

$$\frac{2}{3} X \frac{3}{8} = \frac{6}{24}$$

2. Simplify the fraction.

$$\frac{6}{24} \div \frac{6}{6} = \frac{1}{4}$$




Keep it simple

# HOW TO CANCEL IN ORDER TO SIMPLIFY

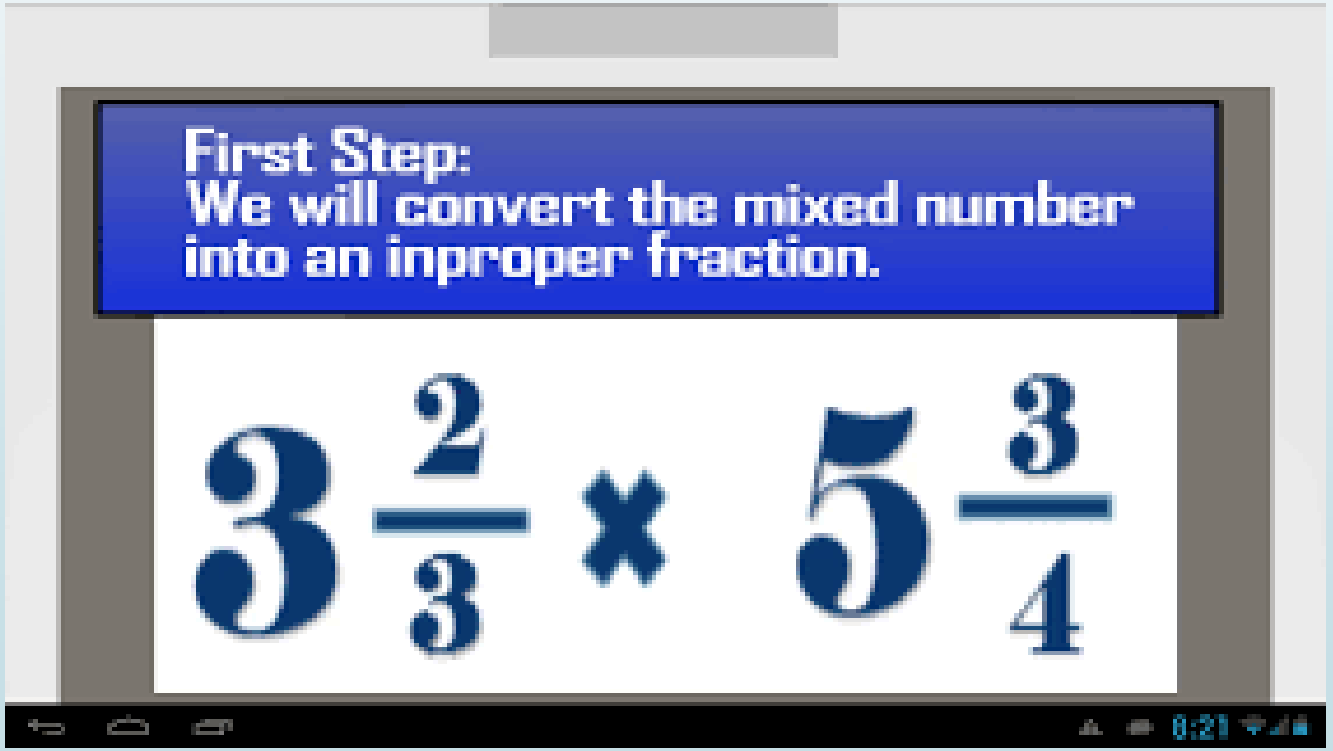
- Or you could cancel to make it easier.
- $\frac{2}{3} X \frac{3}{8} =$ the 3 on top and the 3 on bottom are both divisible by 3 and cancel to become 1. The 2 and the 8 have a common factor of 2 and are both divisible by 2. so they cancel and the 2 becomes 1 and the 8 becomes 4.
- $\frac{1}{1} X \frac{1}{4} = \frac{1}{4}$

# White Board Practice

1. $\frac{3}{4} \times \frac{4}{9}$
2. $\frac{5}{6} \times \frac{3}{10}$
3. $\frac{3}{8} \times \frac{2}{3}$

# Multiplying Mixed Numbers

- https://youtu.be/RPhaidW0dmY



# Practice

1. $4\frac{1}{2} \times 5\frac{1}{4}$
2. $2\frac{1}{5} \times 11$
3. $3\frac{7}{8} \times 2\frac{1}{4}$
4. $4\frac{2}{3} \times 1\frac{1}{2}$
5. $2 \times \frac{3}{4}$
6. $6\frac{7}{8} \times 3\frac{3}{4}$
7. $8\frac{1}{2} \times 1\frac{3}{8}$
8. $9 \times 4\frac{3}{5}$
9. $10 \times 2\frac{5}{8}$
10. $3\frac{1}{3} \times 2\frac{3}{4}$