

## Multiplying Fractions and Fractions

\* Always Multiply Straight Across! \*

$$\frac{2}{5} \times \frac{3}{4} = \square$$

Step 1: Multiply the Numerators; Straight Across.

$$\frac{2}{5} \times \frac{3}{4} = \frac{6}{20}$$

Step 2: Multiply the Denominators; Straight Across.

$$\frac{2}{5} \times \frac{3}{4} = \frac{6}{20}$$

Step 3: Simplify

\* Find the GCF of both \*

$\frac{6}{20} \div 2 = \frac{3}{10}$

Numbers: 6, 20  
 GCF = 2  
 \*divide by

6
1   6
2   3
3   3

20
1   20
2   10
4   5

### Examples:

1.)  $\frac{6}{7} \times \frac{2}{5} = \frac{12}{35}$

12
1   12
2   6
3   4

35
1   35
5   7

\* Nothing in Common! \*

2.)  $\frac{2}{5} \times \frac{1}{8} = \frac{2 \div 2}{40 \div 2} = \frac{1}{20}$

2
1   2

40
1   40
2   20
4   10
5   8

\* #2 in Common  
Divide by 2 \*