

# UOL5 Multiplication and Division of Fractions

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eg1)  $\frac{3}{5} \times \frac{2}{7} = \frac{6}{35}$  ✓ 😊

eg2)  $\frac{15}{16} \times \frac{8}{9} = \frac{21}{16} \times \frac{8}{9} = \frac{168}{144} = 1 \frac{24}{144} = 1 \frac{1}{6}$  ✓

Shortcut method:  $\frac{21}{16} \times \frac{8}{9} = \frac{7}{2} \times \frac{1}{3} = \frac{7}{6}$  OR  $1 \frac{1}{6}$

## Steps for Multiplying Fractions:

- ① Change all fractions into improper for nks!  
eg.  $1 \frac{1}{2} = \frac{3}{2}$
- ② Mult tops (numerators); mult. bottoms (denominators)
- ③ change answer into mixed form (if possible)  
eg.  $\frac{16}{5} = 3 \frac{1}{5}$
- ④ Reduce to lowest terms.

Assignment: UOL5 wkst # 1, 2 (a, c, g, h), 3, 4