

## 2.1 Multiplying Fractions

Words: **numerator**  $\frac{3}{7}$   
**Denominator**

Ex  $\frac{3}{7} \times \frac{1}{2} = \frac{3}{14}$  Multiply the numerator  
 Multiply the denominators

$$1) \frac{1}{5} \times \frac{1}{3} = \frac{1}{15}$$

$$2) \frac{2}{3} \times \frac{1}{3} = \frac{2}{9}$$

$$3) \frac{1}{2} \times \frac{5}{6} = \frac{5}{12}$$

$$4) \frac{7}{8} \times \frac{1}{4} = \frac{7}{32}$$

Mixed Number

$$5) \frac{1}{3} \times \frac{2}{3} = \frac{2}{9}$$

$$6) 6\frac{2}{3} \times \frac{3}{10} = 2$$

$$7) 2\frac{4}{5} \times 4\frac{1}{16}$$

$$7\frac{4}{5} \times \frac{13}{8} = 11\frac{3}{8}$$

$$8) \left(\frac{3}{5}\right)^3 = \frac{3}{5} \cdot \frac{3}{5} \cdot \frac{3}{5} = \frac{27}{125}$$

$$9) \frac{1}{2} \times \frac{1}{5} \times \frac{2}{3} = \frac{1}{15}$$