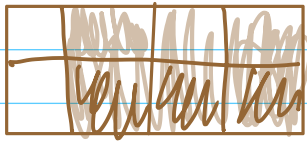


6.2 Multiplying Fractions



$$\frac{1}{2} \text{ of } \frac{3}{4} = \frac{3}{8}$$

"Of" means multiply

$$\frac{1}{2} \times \frac{3}{4} = \frac{3}{8}$$

① Multiply the numerators.

② Multiply the denominators.

③ Simplify if needed.

Examples 1. $\frac{3}{4} \times \frac{1}{3} = \frac{3}{12} \div 3 = \frac{1}{4}$



2. $\frac{3}{5} \times \frac{1}{6} = \frac{3}{30} \div 3 = \frac{1}{10}$

3. $\frac{3}{10}$ of $\frac{2}{5}$ $\frac{3}{10} \times \frac{2}{5} = \frac{6}{50} \div 2 = \frac{3}{25}$

4. (Challenge)

$$\frac{3}{5} \times \frac{3}{4} = \frac{9}{20} \quad \left(\frac{6}{20} \right) \quad \frac{1}{2} \times \frac{3}{5} = \frac{3}{10}$$

$$\frac{3}{5} \times \frac{3}{4} = \frac{9}{20} \quad \uparrow \quad \frac{3}{10}$$

$$\frac{9}{20} \quad \bigcirc \quad \frac{6}{20}$$