

11-4 Multiplying Fractions

$$1. \frac{3}{4} \times \frac{1}{8} = \frac{\cancel{21}}{32}$$

$$2. \frac{15}{1} \times \frac{3}{4} = \frac{45}{4}$$

$$\begin{array}{r} 11\frac{1}{4} \\ 4 \overline{)45} \\ \underline{-44} \\ 05 \\ \underline{-4} \\ 1 \end{array}$$

$$\boxed{11\frac{1}{4}}$$

$$3. \frac{3}{4} \times \frac{1}{4} \times \frac{2}{1} = \frac{6}{16} \div 2 = \frac{3}{8}$$

$$4. \left(\frac{2}{3} - \frac{1}{3} \right) \times \frac{5}{8} =$$

$$\frac{1}{3} \times \frac{5}{8} = \boxed{\frac{5}{24}}$$

Picture $\frac{1}{3} \times \frac{3}{4}$



↓ $\frac{1}{3}$ pieces

← $\frac{3}{4}$ pieces

3 out of 12 pieces are shaded with dots.

$$\text{so } \frac{1}{3} \times \frac{3}{4} = \frac{3}{12}$$