

Multiplying Fractions

$$1) \frac{3}{5} \times \frac{9}{10} = \frac{27}{50}$$

$$2) \frac{3}{4} \times \frac{4}{5} = \frac{12}{20} = \frac{\cancel{4}(3)}{\cancel{4}(5)} = \frac{3}{5}$$

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

$$4) \frac{1}{2} \times \frac{3}{5} = \frac{3}{10}$$

$$5) \frac{2}{4} \times \frac{8}{10} = \frac{16}{40} = \frac{\cancel{2}(8)}{\cancel{5}(8)} = \frac{2}{5}$$

$$6) \frac{\cancel{2}(1)}{\cancel{2}(1)} \times \frac{\cancel{2}(1)}{\cancel{2}(1)} = \frac{1}{4}$$

$$7) \frac{5}{10} \times \frac{3}{4} = \frac{15}{40} = \frac{\cancel{5}(3)}{\cancel{5}(8)} = \frac{3}{8}$$

$$8) \frac{2}{3} \times \frac{3}{10} = \frac{6}{30} = \frac{\cancel{6}(1)}{\cancel{6}(5)} = \frac{1}{5}$$

$$9) \frac{4}{5} \times \frac{1}{3} = \frac{4}{15}$$

$$10) \frac{2}{5} \times \frac{2}{3} = \frac{4}{15}$$

Word Problems

$$1) 2 \times \frac{2}{5} = \frac{2}{1} \times \frac{2}{5} = \frac{4}{5} \text{ inches}$$

$$2) 3 \times \frac{3}{8} = \frac{3}{1} \times \frac{3}{8} = \frac{9}{8} \text{ bins of bottles}$$

$$3) 9 \times \frac{2}{3} = \frac{\cancel{9}(3)}{\cancel{3}(1)} \times \frac{2}{\cancel{3}(1)} = \frac{6}{1} = 6 \text{ gallons}$$

$$4) 8 \times \frac{1}{2} = \frac{\cancel{8}(4)}{\cancel{2}(1)} \times \frac{1}{\cancel{2}(1)} = \frac{4}{1} = 4 \text{ barrels}$$

$$5) 4 \times \frac{1}{2} = \frac{4}{1} \times \frac{1}{2} = \frac{4}{2} = 2 \text{ bags}$$