

**Lesson Summary**

A rate of  $\frac{2}{3}$  gal/min corresponds to the unit rate of  $\frac{2}{3}$  and also corresponds to the ratio 2: 3.

All ratios associated with a given rate are equivalent because they have the same value.

**Problem Set**

1. Once a commercial plane reaches the desired altitude, the pilot often travels at a cruising speed. On average, the cruising speed is 570 miles/hour. If a plane travels at this cruising speed for 7 hours, how far does the plane travel while cruising at this speed?
2. Denver, Colorado often experiences snowstorms resulting in multiple inches of accumulated snow. During the last snow storm, the snow accumulated at  $\frac{4}{5}$  inch/hour. If the snow continues at this rate for 10 hours, how much snow will accumulate?