

Name \_\_\_\_\_

Date \_\_\_\_\_

## From Rates to Ratios

Tiffany is filling her daughter's pool with water from a hose. She can fill the pool at a rate of  $\frac{1}{10}$  gallons/second.

Create at least three equivalent ratios that are associated with the rate. Use a double number line to show your work.

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?

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Create at least three equivalent ratios that are associated with the rate. Use a double number line to show your work.

*Answers will vary.*

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*3,990 miles*

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*8 inches*