

Name: _____ Date: _____

Calculating Flow Rate

Flow rate is a measure of the volume of fluid moving past a certain point in a given amount of time. The flow rate is a measure of how quickly fluids move. You can use the equation below to calculate the flow rate of a fluid.

$$\text{flow rate} = \frac{\text{volume of fluid (mL or L)}}{\text{amount of time (s, min, or h)}}$$

For each problem below, calculate the flow rate. Be sure to show your work.

1. It takes 5 s to fill a 1 L container of water from a faucet. What is the flow rate of the faucet in litres per second and in litres per hour?

2. A baby takes 30 min to drink 150 mL of milk from a bottle. Calculate the flow rate of milk from the bottle in millilitres per minute and in millilitres per second.