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Module 3 Integers
Lesson 5 Solving Problems with Integers

Guided Practice 3.5

Set 1

- 1 A swimming pool currently has 1,500 gallons of water in it and is filling at a rate of two gallons per hour. How many gallons will the pool hold in eight hours?
- 2 Find how many gallons of water there were three hours ago in a pool that currently hold seven gallons of water and is draining at a rate of 400 gallons per hour.

Set 2

- 1 A hot air balloon is tied somewhere above ground to a platform labeled zero. Distance above the platform are given as positive integers. Distances below the platform are given as negative integers. The hot air balloon is descending at a rate of two units per hour. Where was it five hours ago?
- 2 A hot air balloon is tied somewhere above ground to a platform labeled zero. The balloon descends at a rate of four units per hour for two hours; then it ascends three units per hour for four hours. Where is it?