Instruction

Lesson 1.2.1: Converting Units

Georgia Standards of Excellence

MGSE9–12.N.Q.1★

MGSE9–12.N.Q.2★

Warm-Up 1.2.1 Debrief

1. How many feet did Miranda run?

   There are 5,280 feet in 1 mile. Miranda ran 2 miles, so in total she ran 2 miles • 5,280 feet per mile = 10,560 feet.

2. How many seconds are there in 20 minutes?

   There are 60 seconds in 1 minute, so there are 20 minutes • 60 seconds per minute = 1,200 seconds in 20 minutes.

3. What was Miranda's speed in feet per second?

   To find Miranda's speed in feet per second, divide the total distance she ran, in feet, by the length of time it took her to run the distance, in seconds: 10,560 feet ÷ 1,200 seconds = 8.8 feet per second.

Connection to the Lesson

- Students will practice converting measurements from one set of units to another.
- Students will identify important quantities and their associated units and solve problems.