Section 3.3: Applications

Objectives

Solve the following types of problems using linear equations:

- Distance-rate-time problems.
- Simple interest problems.
- Average problems.
- Cost Problems.

Instruct

1. What do the letters in the formula D = R·T represent?

2. What do the letters in the formula I = P·r·t represent?

3. How do you find the average of a list of numbers?

4. What is Nathan's average rate of speed if he hikes 12.6 miles in 7.5 hours?

5. Phil placed $2000 in a one-year CD at the bank. The bank is paying simple interest of 7% for one year on the CD. How much interest will Phil earn in one year?