

Write and solve an equation for the following word problems.

For all of these problems, set-up the equation in the following format:

Problem information = Total

- 1) You plan to exercise 225 minutes over the next five days. The first four days you exercise for 35 minutes, 60 minutes, 20 minutes, and 55 minutes. Find the number of minutes you need to exercise the fifth day to meet your goal.
- 2) An office building has six floors, and 294 people work in the building. Find the number of people per floor if an equal number of people work on each floor.
- 3) You work after school at a store and are paid \$8.25 per hour. Before taxes were taken out, you earned \$165 for two weeks of work. Find the number of hours you worked.
- 4) You are taking a three day hiking trip. The trail is 18.5 miles long. On the first day you hike 8.1 miles, and on the second day you hike 5.8 miles. How many miles will you need to hike on the third day to complete the trail?
- 5) A landscaper estimates it will take 22 person-hours to build a small stone wall. There are four people working on the wall. Find the number of hours each person must work on the wall (i.e. how long the job will take).
- 6) Your local electric company charges \$0.15 per hour for the amount necessary of energy to run your stereo. Find the number of hours you can use your stereo for \$6.00.
- 7) You bought a five pound of apples for \$2.45. There are twelve apples in the bag. What is the *approximate* cost of one apple?
- 8) It will take about 40 person-hours to build a set for your school play. How many hours will it take for five people to build the set?
- 9) The long distance rate at your telephone company is \$0.25 per minute all day, every day. This month, you paid \$16.50 for long distance calls. How many minutes did you spend on the phone?
- 10) You have saved \$1650.00 toward the purchase of a used car. The full price is \$3600.00. How much more will you have to save in order to buy the car?