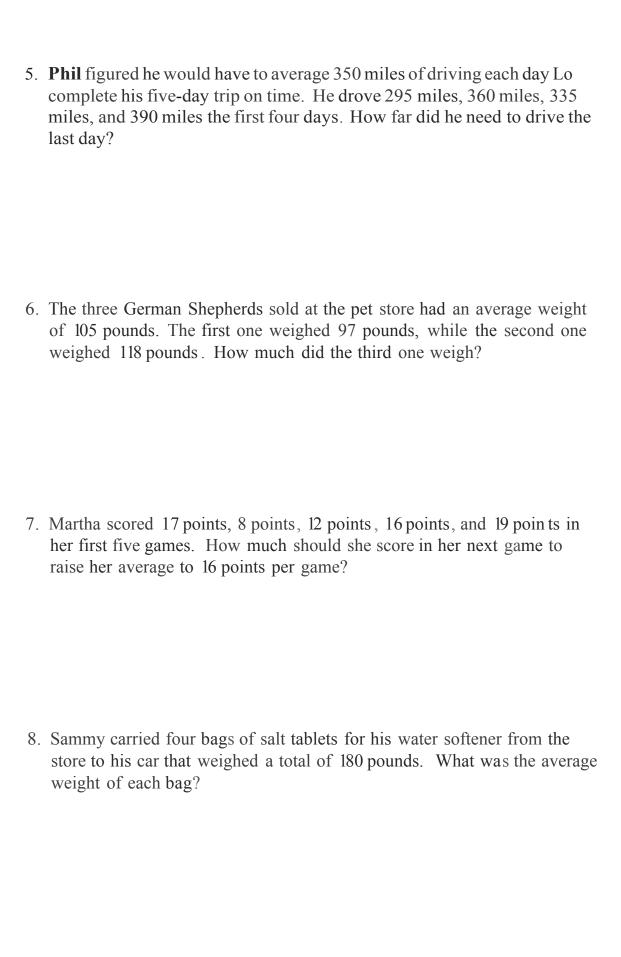# FINDING DATA MISSING FROM THE AVERAGE

Read carefully and solve.

1. Rocky scored an 85% on his first history test. He wants to keep a 90% average. What does he need to get on his next test to bring his average up to 90%?

2. Ivan earned $73.50 in tips at his job on Friday. How much in tips must he earn on Saturday to have an average of $90 earned for the two days?

3. Mandy and her four friends collected newspapers for recycling. They gathered an average of 52 pounds of newspapers. Mandy's friends collected 47 pounds, 32 pounds, 59 pounds and 55 pounds. How many pounds of newspapers did Mandy collect?

4. Agnes scored 85, 78, 93, and 86 on her first four tests. What must she score on the next test so that her average will be 87?

5. **Phil** figured he would have to average 350 miles of driving each day Lo complete his five-day trip on time. He drove 295 miles, 360 miles, 335 miles, and 390 miles the first four days. How far did he need to drive the last day?

6. The three German Shepherds sold at the pet store had an average weight of 105 pounds. The first one weighed 97 pounds, while the second one weighed 118 pounds. How much did the third one weigh?

7. Martha scored 17 points, 8 points, 12 points, 16 points, and 19 points in her first five games. How much should she score in her next game to raise her average to 16 points per game?

8. Sammy carried four bags of salt tablets for his water softener from the store to his car that weighed a total of 180 pounds. What was the average weight of each bag?

9. Kristen cooked 8 hamburgers for friends at the cookout. He had 2 pounds of hamburger meat, for which he made the patties and cooked the burgers. What was the average weight of each hamburger?

10. Each salesman at the Acme Calendar Factory has to average a minimum of 200 sales a week for the next four weeks to keep his job. Brenda, worried about losing her job, decides to try extra hard to make the necessary sales. She sold 190 the first week, 245 the second week, but only 138 the third week. How many calendar sales does Brenda need to make in the fourth week to keep her job?