**Name: Date: Hour:**

**Use the CUBE method to set up an equations and solve.**

1. On Friday nights, a local bowling alley charges $5 per person to bowl all night. If Carol and her friends paid a total of $45 to bowl, how many people were in their group?

Give an Equation with a variable:

Solve:

2) Michael Jordan’s highest point total for a single game was 69. The entire team scored 117 points in that game. How many points did his team score?

Give an Equation with a variable:

Solve:

3) If you count you heart beats for 10 seconds and multiply that number by 6, you can find your heart rate in beats per minute. Lance Armstrong, who won the Tour de France seven years in a row, from 1999-2005, has a resting hear rate of 30 beats per minute. How many times does his heart beat in 10 seconds.

Give an Equation with a variable:

Solve:

4) It costs $6 per ticket for groups of ten or more people to see a minor league baseball game. If Albert’s group paid a total of $162 for game tickets, how many peopl were in the group.

Give an Equation with a variable:

Solve:

5) The Giants scored 13 points in a game against Dallas. They scored 7 points for a touchdown and the rest of their points for field goals. How many points did they score on field goals?

Give an Equation with a variable:

Solve:

6) Nine weeks from now Susan hopes to buy a bicycle that costs $180. How much money must she save per week?

Give an Equation with a variable:

Solve:

7) Trevor’s heart rate is 78 beats per minute, how many times does his heart beat in 10 seconds?

Give an Equation with a variable:

Solve:

8) The rate of exchange for currency changes daily. One day you could get $25 for 3,302.75 Japanese money. What is the amount of Japanese money in dollars that day?

Give an Equation with a variable:

Solve: