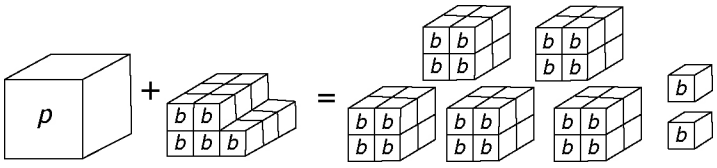
Name: _____ Date: _____

Chapter 11 Gifted and Enrichment

1. a) Create an equation to show the relation between the packing crate, p, and the boxes, b, in the diagram. Solve the equation.

b) Draw a diagram to show how boxes would be arranged to fill one packing crate.



2. Once in orbit, the space shuttle can travel at about 28 000 km/h.

a) Write an equation that represents how many days it would take the shuttle to travel any distance.

b) Use your equation to determine how long it would take to travel from Earth to Mars when the distance is 100 000 000 km. Express your answer to the nearest tenth of a day.

3. Renu has decided that she wants to buy a car on her 17th birthday. Her current age is 13 years and 4 months. She is going to save, on average, $72 each month.

a) Write an equation that shows how much money she has saved at any given month up to her 17th birthday.

b) Use the equation to determine how much money she will have saved by her 16th birthday.

4. The label on a soup can says there are 4.4 g of fat in 100 mL of soup.

a) Write an equation that shows how much fat there is in any amount of soup.

b) Use your equation to determine how many grams of fat there are in a 250-mL serving of soup.