

Size-wise

Problem One

- a. Use each of these digits only once to make the largest five-digit whole number that you can.

2 7 0 4 8

- b. What is the smallest five-digit whole number you can make using all these digits?
- c. Simon made two different whole numbers with these digits. He used each of the digits once in each number. His largest number was 657 bigger than the other number.
- What two numbers might Simon have made?
 - Could Simon have made any other numbers?
 - Explain your answers.

Problem Two

- a. Use 11 multilink cubes to make three towers of different heights. Each of your towers must use more than one cube.
- b. If there were no restrictions on height, how many other ways could you make three towers from your 11 multilink cubes?



Problem Three

Frank either walks to school and catches the bus home or catches the bus to school and walks home. Both ways, it takes him 1 hour to travel to and from school. If he were to walk to and from school, it would take him $1\frac{1}{2}$ hours.

If Frank were to catch the bus to and from school, how long would it take him?

Problem Four

In the morning, The T-shirt Shop sold \$200 worth of T-shirts at \$4 each.

In the afternoon, they lowered the price of T-shirts to \$3 each and sold twice as many.

How much money did they take in over the whole day?

