

## Section 2.3 Word Problems

Ex 1. Two investments total \$ 8000. One is \$ 1600 more than the other. Find the two amounts invested.

Ex 2. The length of a rectangular yard is five metres more than twice the width. The perimeter of the yard is 82m. Find the dimensions of the yard.

Ex 3. You invested some money in an account paying 4% interest and twice as much money in an account paying 6% interest. How much did you invest in each account if the total interest after one year was \$ 240? Use  $I = Prt$ .

Ex 4. A lab has 4% alcohol solution and 10% alcohol solution. How much of each should be mixed to give 60L of 6% solution?

Ex 5. In the morning Lucy drives for four hours. In the afternoon Lucy drives for three hours. Her speed in the afternoon is 20km/h faster than her speed in the morning. Find Lucy's speed in the afternoon if the total distance she travelled was 410km.