

1.8 Word Problems --> Day 2

1. A gum ball machine contains only quarters and dimes. There are 28 coins whose total value is \$5.35. How many quarters are there?

2. Ashleigh invested \$800. Part of the money was in a term deposit that paid 6% per annum, the rest was in an account earning 4% per annum. After one year she had earned \$42 interest. How much did she invest at each rate?

3. Sheldon is asked to make 100 mL of 48% alcohol solution to pass his Chemistry course! He is given a 40% and 60% alcohol solutions and asked to mix them in order to get the right solution. HELP poor Sheldon... How many millilitres of each must he use?

4. How many kg of 30% salt solution by mass and 40% salt solution by mass should be mixed to form 200 kg of 37% salt solution by mass?
