

MATHEMATICS AND CAREER EXPLORATION YEAR 7



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Activity Sheet Problem Solving Exercise - Sharing Money

“I have some dollar coins in my pocket. I noticed that when I shared them equally between 2 groups there was one left over. When I shared them between three groups there were two left over. How many dollar coins might I have in my pocket?”

Consider:

- Would materials help you solve this problem?
- How might you represent this problem?
- Can you think of more than one solution?
- What do you know about numbers that could help you?
- Do you notice any patterns?
- What is an odd/even number?
- Do all odd numbers work?
- Can you think of a generalisation for this problem?
- Can you create another problem like this but change the number of coins or the number of people they need to be shared with?