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## P4 Problem Sums Mini Course Term 1 Lesson 3

1. Strategy 1: Comparison Model / Constant Difference

2. Trending Problem Sums

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## Strategy 1: Comparison Model

1. Danny and Elis had 240 cartoon cards. Elis and Cindy had 320 cartoon cards.

If Cindy had thrice as many cards as Danny, how many cards did Elis have?

2. There are 180 blue and green balls in Bag A. There are 320 green and red balls in Bag B. Given that there are thrice as many red balls as blue balls, and the number of green balls in both bags is the same, find the total number of green balls in both bags.

## Strategy 2: Constant Difference (Age)

1. Mr Tan is 40 years old and his son is 30 years younger. How many years ago was Mr Tan six times as old as his son?

2. Mr Ismail is thrice as old as his son. Given that he is 24 years older than his son, how many years ago was Mr Ismail four times as old as his son?

## Higher Order Questions

- 1. A library has a total of 5670 books. The number of English books is twice as many as Chinese books and four times as many Malay books.
  - a) How many more Chinese books than Malay books are there in the library?
  - b) How many English books are there in the library?

2. Wong Lin bought twice as many cupcakes as muffins from a shop. Each cupcake costs \$3 and each muffin costs \$2. If she spent a total of \$640, how many cupcakes did she buy? 3. Mr Tay had 198 more red than blue pens in his shop.

After selling 12 red pends, he had 3 times as many red pens as blue pens.

- a) How many more red pens than blue pens did Mr Tay have in the end?
- b) How many blue pens are there?

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