# Maths Accelerator Centre

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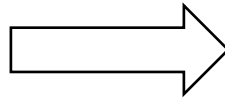
## Pri 5 : Problem Sum Mini Course

## Term 4 Lesson 2

1. Strategy : Heuristics

2. Higher Order Trending Questions

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http://www.parkwaymath.com/

## Class Schedule for 2023

Primary Math Schedule: http://www.parkwaymath.com/schedule-pri/

Secondary Math Schedule: http://www.parkwaymath.com/schedule-sec/

## Upcoming Events

Pri4/Pri 5 : SA2 Revision Booster Class

## Click Here For

## Class Schedule & Fees

http://www.parkwaymath.com/programmes/

## Strategy 1: Internal Transfer

1. Holly kept 280 sweets in 2 containers X and Y. After 25% of the sweets in Container X was transferred to Container Y, there were 20 more sweets in Container X than Container Y. How many sweets were there in Container X at first?

2. Gary kept 234 marbles in 2 containers, A and B. After 40% of the marbles in Container A were transferred to Container B, there were 24 more marbles in Container A than Container B. How many marbles were there in Container B at first?

## **Part-Whole (Percentage + Additional Whole Number) Type 3**

1. Irene spent 20% of her money and an additional $3 on a story book. She then spent $\frac{2}{3}$ of the remaining money and an additional $2 on a present. She had $13 left. How much did Irene have at first?

2. Dan spent 20% of his money and an additional $4 on a CD. He then spent 1/3 of his remaining money and an additional $8 on some comics. Given that he was left with $24, how much money did he have at first?

**Trending questions**

1. During a sale, a shop offered a 20% discount on all its mobile phones.

   Ming chose a phone which cost $160 less than its usual price due to the discount given. He had to pay an additional 7% GST on the discounted price. How much did Ming pay for the mobile phone in the end? (MGS/SA2)

2. A florist sells bouquets of flowers at $15 per bouquet. When a customer buys 3 or more bouquets, a discount of 5% will be given on the total bills.
   a. Kelly bought 6 bouquets. How much was the discount given to her?
   b. Mrs Ang paid $ 513 after discount for some bouquets of flowers. How many bouquets of flowers did she buy?                                P5/RGPS/SA2



$15 per bouquet
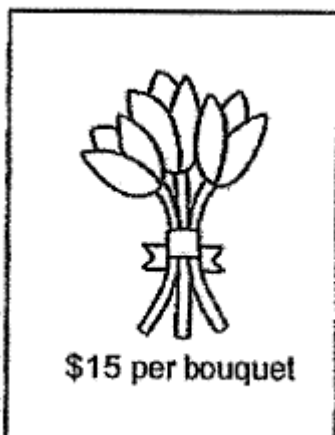
3. During an overseas vacation, Rita and Sarah had the same amount of allowance. Each day, Rita spent $4 and Sarah spent $6. At the end of the vacation, Sarah had $12 left, while Rita had 4 times as much money as Sarah.

   a. How many days did the vacation last?

   b. How much was each girl's allowance at first?          (TNS/SA2)