



# Maths Accelerator Centre

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## P4 SA2 Must-Know Strategy#1

### Comparison Models

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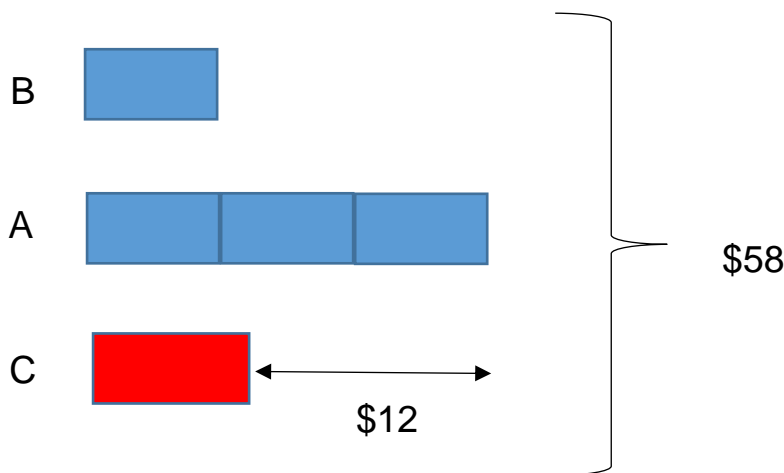
### Strategy 1 : Comparison Models

This strategy is commonly tested in Topics like Whole Numbers and Fractions. These problem sums usually have keywords like “more than”, “less than” and compares one item to another with words like “twice”, “thrice” and “X times”. Students should start by highlighting the keywords and organise the information using the model drawing approach.

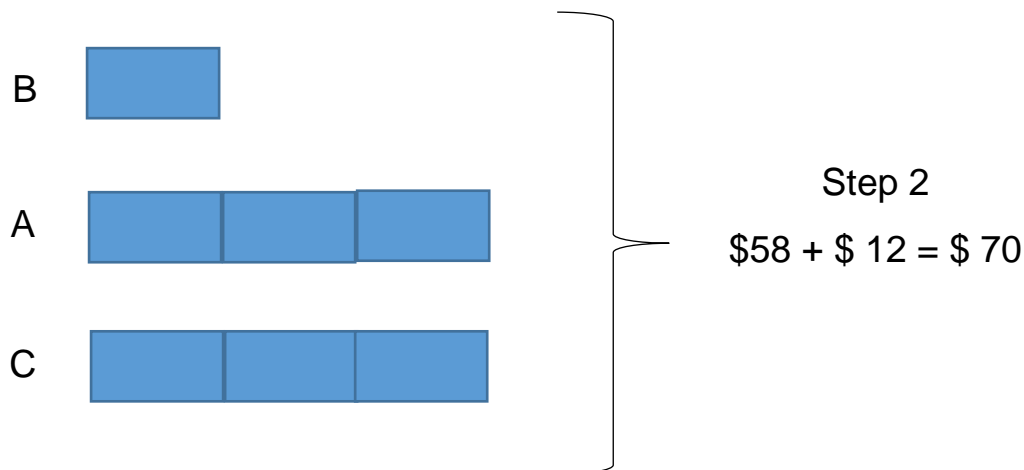
#### Example

Alan has 3 times as much pocket money as Bala. Carl has \$ 12 less than Alan. The boys have a total of \$ 58. How much pocket money does Alan have?

#### Organise the information



Step 1 : Add \$ 12 to Carl's amount of money. Now Carl will have 3 units.



Step 3 : Find the value of 1 unit.

$$7 \text{ units} = \$70$$

$$1 \text{ unit} = \$70 \div 7 = \$10$$

Step 4 : Solve the question

$$\text{Amount of Alan's pocket money} = 3 \text{ units} = 3 \times \$10 = \$30$$

Ans : \$ 30

### Practice

1. Alice has 3 times as many stickers as Beth. Candice has 22 stickers less than Alice. The girls have a total of 56 stickers. How many stickers does Alice have?
2. Tank A has 3 times as much petrol as Tank B. Tank C has 4.8 l less petrol than Tank A. There is a total of 93.2 l of petrol in all the three tanks. How much petrol is there in Tank A?

3. Harry has 4 times as much money as Ivan. Joe has \$ 8 less than Ivan. The boys have a total of \$ 124. How much money does Joe have?

4. Jug A has 4 times as much lemonade as Jug B. Jug C has 3.6 ℓ less lemonade than Jug B. The 3 jugs have a total of 22.8 ℓ of lemonade.  
How much lemonade is there in Jug C?