Primary 3 Term 4 : SA2 Revision 1

> Strategy 1: Before / After (Same Change)
>
> Strategy 2: Before / After (Equal Stage)
>
> Strategy 3: Working Backwards
>
> Higher Order Questions

Strategy 1: Before / After

1. Draw a model for either the start or the end.

2. Draw a new model with any changes that happened.

3. Find the value of 1 unit.

4. Solve for the answer.

Strategy 2: Working Backwards

1. Read the question and highlight every step from start to end.

2. Start at the end and work backwards.

3. Solve for the answer.

Strategy 1: Before / After (Same Change)

1. When Diane and her mother both weighed themselves, Diane noticed that her mother was twice as heavy as she was. When they both weighed themselves again, each carrying a 6 kg bag, their total mass was 114 kg. What was Diane's mass?

2. Catherine and Melody had $214 in total. After each of them spent $25, Melody had 3 times as much money as Catherine. How much money did Melody have at first?

Strategy 2: Before / After (Equal Stage)

1. Chara has thrice as many chocolates as Meena. If Chara gives 39 chocolates to Meena, then both of them will have the same number of chocolates. How many chocolates did Chara have at first?

2. Angela's bottle contained 3 times as much water as Calista's bottle. Calista's bottle contained twice as much water as Leah's bottle. After 500 mℓ of water was poured into Calista's bottle and some water was poured into Leah's bottle, the three bottles contained the same volume of water. How much water was poured into Leah's bottle?

Strategy 3: Working Backwards

1. Lilith had a piece of string. She used 40 cm of it to tie a friend's present and then cut the remaining piece of string into 3 equal parts. Each part of 25 cm long. How long was the string that Lilith had at first?

2. Maya had some money at first. She spent $46 on a pair of shoes and $54 on a skirt. She then asked her mother for some extra money and her mother gave her $35. In the end, she had $121. How much money did she have at first?

Higher Order Questions

1. A store sold cups at $2 per cup and plates at $3 per plate. Lyra spent a total of $180 buying an equal number of cups and plates.
   a. How much did 1 cup and 1 plate altogether?
   b. How many cups and plates did he buy altogether?

2. Faye paid $142 for 67 kg of rice. She paid with four $50 notes.
   a. How much change did Faye receive?
   b. Faye received her 67 kg of rice in 17 bags. Each bag of rice was either a 2-kg bag or a 5-kg bag. How many 5-kg bags did she receive?