Constant Part, Constant Total

Write your answers to the following questions in the spaces provided. For each question, show your working clearly in the space below it.

1. Ai Ming had 2460 more stamps than Baxter at first. After Ai Ming gave away 864 stamps, she had thrice as many stamps as Baxter. How many stamps did Baxter have?

Ans: _____________

2. Daniel had 375 fewer calculators than Christine. After Daniel sold 225 calculators, Christine had 5 times as many calculators as Daniel. How many calculators did Daniel have at first?

Ans: _____________
3. There were 36 fewer girls than boys at a school hall. After 108 boys left the school hall, there were 4 times as many girls as boys in the hall. How many children were in the school hall at first?

Ans: 

4. Elle had $480 less than Fathur. After Fathur received $3840, he had 6 times as much money as Elle. How much money did both of them have in the end?

Ans: 

5. There were twice as many girls as boys at the zoo. After 99 boys left, there were 3 times as many girls as boys. How many girls were there at the zoo?

Ans: 

6. Ms Goh made 560 more keychains than Hock Seng. After Ms Goh gave 65 of her keychains to Hock Seng, Ms Goh has 6 times as many keychains as Hock Seng. How many keychains did Hock Seng have at first?

Ans: _____________

7. Isaac and Jervois had $1500 altogether. After Jervois gave $165 to Isaac, he had twice as much money as Isaac. How much did Isaac have at first?

Ans: ______________

8. Box A has 3 times as many apples as Box B. The total number of apples in both boxes is 240. How many apples must be transferred from Box A to Box B so that the number of apples in Box B is 4 times the number of apples in Box A?

Ans: ______________
9. Karl and Leonard had a total of 720 g of tea leaves. Karl had 5 times as much tea leaves as Leonard. After Karl gave Leonard some tea leaves, Karl had thrice as much tea leaves as Leonard. How much tea leaves did Karl pass to Leonard?

Ans: ____________

10. Phyllis had 1240 more marbles than Mei Ling. After Mei Ling gave 246 marbles to Phyllis, Phyllis had 5 times as many marbles as Mei Ling. How many marbles did Mei Ling have at first?

Ans: ____________