



Primary 5
Units & Part Model
Lesson 5:
Before and After(I)
(more/less than)

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LESSON 5: Before and After (I) (more/less than)**BEFORE YOU BEGIN**

Let's start with a simple example to illustrate how positive and negative model can be label:-

LABEL OF MODEL

40 units

40 units + 4

40 units - 4

COMPARISON MODEL

Find the value of 1 unit for the following:-

a) **Positive Statement:**

$$3u + 8 = 5u + 2$$

b) **Negative Statement (I):**

$$3u + 6 = 5u - 2$$

c) **Negative Statement (II):**

$$3u - 2 = 5u - 6$$

GUIDED EXAMPLE 1

The ratio of the number of men to women to children in a restaurant was 5 : 4 : 2.

After 26 women left the restaurant, there were 46 more women than children.

How many men were there in the restaurant?

GUIDED EXAMPLE 2

A fruit seller had 68 more oranges than apples.

After selling $\frac{1}{2}$ of the oranges,

there were 28 more apples than oranges.

Find the total number of fruits he had at first.

GUIDED EXAMPLE 3

Alan had \$140 more than Cindy.
Alan gave Cindy \$20,
he had thrice as much money as Cindy.
How much money did Alan have at first?

GUIDED EXAMPLE 4

Lucas and Justin share a sum of money.

Lucas had \$50 more than Justin.

Lucas gave \$84 to Justin.

As a result, Lucas had $\frac{1}{3}$ as much money as Justin.

How much money did they have altogether?

GUIDED EXAMPLE 5

There were 234 more apples in Stall A than Stall B at first.

78 apples were transferred from Stall B to Stall A.

24 rotten apples from Stall A were thrown away.

As a result, there were 4 times as many apples in Stall A than in Stall B.

How many apples were there in Stall B at first?

GUIDED EXAMPLE 6

There were 87 more boys than girls in a camp.

After $\frac{1}{2}$ of the boys left, there were 36 more girls than boys.

How many children were there in the camp at first?

BUILD YOUR UNDERSTANDING

1. Bill and Ernest share some marbles.
Bill had 70 marbles more than Ernest.
Ernest gave 20 marbles to Bill.
As a result, Bill had thrice as many marbles as Ernest.
How many marbles did Bill have at first

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2. Stella saved \$84 less than Jenny.
After Stella donated $\frac{2}{5}$ of her money to charity
and Jenny spent $\frac{2}{3}$ of her money,
They had the same amount of money left.
How much money did Jenny have at first?

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3. Tom had 90 more marbles than Jerry at first.
After Tom gave 105 marbles to Jerry,
Jerry had 6 times as many marbles as Tom.
Find the number of marbles Tom had at first.

4. The ratio of the number of sweets Alan had to Giles had was 5 : 2.
After Giles bought another 36 sweets,
Alan had 60 more sweets than Giles.
How many sweets did they have altogether in the end?

5. There were 226 more children in Group A than in Group B at first.
After 33 children from Group A moved to Group B,
there were 5 times as many children in Group A as in Group B.
- a) How many more children were there in Group A than Group B in the end?
- b) How many children were there in Group A and Group B altogether?

6. Audrey and Cynthia had some beads.
Cynthia had 104 more beads than Audrey.
After Cynthia gave away 218 beads,
Audrey had 4 times as many beads as Cynthia.
Find the number of beads Cynthia had in the end.