Manu's Garden

Manu and Ranu's house is very beautiful. It has a garden with a lot of trees and flower plants. All the family members take care of the garden.

One day Manu and Ranu's father brought 154 saplings of Marigold, 165 saplings of Jasmine, 123 saplings of Dahlia and 156 saplings of Cosmos to plant in their garden. On the ploughed land of the garden Manu, Ranu and their mother started to plant those saplings in rows. Manu poured water at the planted trees. At the end of the day, they saw that some of the saplings were left to be planted, Manu, Ranu and their mother started to count how many saplings were left to be planted. Now let us look at the number of the planted saplings.

Name of flower	Total number of saplings	Number of saplings to be planted	Number of saplings planted
Marigold	154	43	154 – 43 = 111
Jasmine	165	54	165 – 54 = ...
Dahlia	123	112	123 – 112 = ...
Cosmos	156	30	156 – 30 = ...

Let us solve the problems given in the previous page and complete the table

Solution of first problem		Let us do it in a simple way
Number of marigold saplings	= 154	154 = 1 H 5 tens 4 ones
Number of saplings left to be planted	= 43	(-) 43 = 0 H 4 tens 3 ones
Number of saplings planted	= 111	111 = 1 H 1 tens 1 ones

Solve

How many saplings of sunflower were planted?

How many saplings of dahlia were planted?

How many saplings of cosmos were planted?

Let us subtract

(a)
$$\begin{array}{r} 1\ 3\ 5 \\ -\ 2\ 4 \\ \hline \\ \hline \end{array}$$

(b)
$$\begin{array}{r} 1\ 4\ 7 \\ -\ 1\ 1 \\ \hline \\ \hline \end{array}$$

(c)
$$\begin{array}{r} 1\ 5\ 4 \\ -\ 4\ 1 \\ \hline \\ \hline \end{array}$$

(d)
$$\begin{array}{r} 1\ 6\ 6 \\ -\ 2\ 2 \\ \hline \\ \hline \end{array}$$

(e)
$$\begin{array}{r} 1\ 7\ 2 \\ -\ 6\ 0 \\ \hline \\ \hline \end{array}$$

(f)
$$\begin{array}{r} 2\ 1\ 0 \\ -1\ 0\ 0 \\ \hline \\ \hline \end{array}$$

(g)
$$\begin{array}{r} 1\ 7\ 4 \\ -\ 5\ 3 \\ \hline \\ \hline \end{array}$$

(h)
$$\begin{array}{r} 2\ 3\ 4 \\ -\ 2\ 2 \\ \hline \\ \hline \end{array}$$

A day at the nursery

There is a nursery at Manu and Ranu's house. There are lots of saplings of different flowers. They sell those saplings. Let us look at how many saplings and of which kind have been sold by Manu and Ranu's father. How many are left to be sold.

Name of the flower	Number of saplings	Number of saplings sold	Number of saplings to be sold
Rose	135	117	135 - 117 = ...
Crepe Jasmine	136	117	136 - 117 = ...

Let us solve the problem
How many saplings of rose are left to be sold?

Step -1

Write the numbers as ones, tens and hundreds.

	H	T	O
Number of rose saplings	1	3	5
Number of rose saplings sold −	1	1	7

Step -2 : 7 ones cannot be subtracted from 5 ones. So, we have to borrow 1 ten from 3 tens in tens place. Now in tens place we will have 3 ten −1 tens = 2 tens and at the same time in ones place we will have 1 ten = 10 ones and 5 ones in ones place to get 10 ones + 5 ones = 15 ones.

	H	T	O
		②	
Number of rose saplings	1	3̶	①5
Number of rose saplings sold −	1	1	7
			8

Therefore,

15 ones-7 ones = 8 ones

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Step -3 :

Now subtracting the digits in tens place we get 2 tens - 1 ten = 1 ten

H	T	O
	②	
1	~~3~~	①~~5~~
- 1	1	7
	1	8

Number of rose saplings

Number of rose saplings sold

Step -4 :

Substracting the digits in hundreds place we get,

1 hundred - 1 hundred = 0 hundred

Finally,

Number of rose saplings

Number of rose saplings sold

Number of rose saplings to be sold

H	T	O
	②	
1	~~3~~	①5
1	1	7
	1	8

Therefore, the number of rose saplings to be sold is 135-117 = 18

Now, find out how many saplings of crepe jasmine are to be sold.

Let us subtract by opening the bundle of sticks

$$124 - 75 = ?$$

Step -1 : Arrange the number 124 by using bundle of sticks and loose sticks

124 = 1 H 2 tens 4 ones

Arrange the number 75 by using bundle of sticks and loose sticks

75 = 7 tens 5 ones

We have to subtract 75 from 124. That means we have to (subtract) take away 7 bundles of tens and 5 loose sticks from 1 bundle of hundreds, 2 bundles of tens and 4 sticks.

Step -2 : Subtraction in ones place

We cannot take away 5 sticks from 4 sticks. So, from two bundles of tens we have to open one bundle of tens. Now, we will have 2 bundles of tens -1 bundle of tens = 1 bundle of tens.

By opening 1 bundle of tens we get

10 sticks

By adding 10 sticks with 4 sticks we get

Total 14 sticks

By taking away 5 sticks from 14 sticks we get 14-5=9 sticks.

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Step- 3 : Subtraction in tens place

We had 2 bundles of tens. By opening one from them we have, 2-1 =1 bundle of tens. Now, we have to take away 7 bundles of tens from 1 bundle of tens. As it is not possible, we have to open the bundle of hundreds. After opening the single bundle of hundreds we will have 0 bundle of hundreds.

Now, by opening bundle of 100 we get,
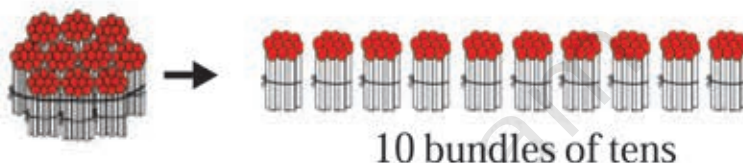
10 bundles of tens

So, adding 10 bundles of tens with 1 bundle of tens we will have 11 bundles of tens
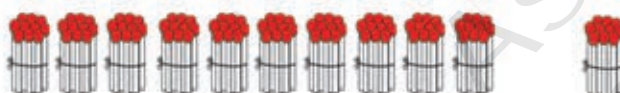
Hence, by taking away 7 bundles of tens from 11 bundles of tens we will have

11 tens - 7 tens = 4 bundles of tens

Step - 4 : Subtraction in hundreds place

We have 0 bundle of hundreds in hundreds place.

So, 124 - 75 = 49 (4 bundles of tens and 9 sticks)

Let us subtract (by using bundle of sticks and loose sticks)

(a)
```
  2 4 0
-   3 7
_____
```

(b)
```
  1 4 5
-   3 8
_____
```

(c)
```
  2 3 4
- 1 2 9
_____
```

(d)
```
  3 6 8
- 2 4 9
_____
```

(e)
```
  4 8 7
- 3 6 8
_____
```

(f)
```
  6 3 0
- 5 2 9
_____
```

Let us solve the problems

- There were 310 rhinos in Kaziranga. 120 rhinos left for Karbi Anglong due to flood. How many rhinos were left in Kaziranga?

- Runu has a piece of cloth. It is 100 centi-metre long. She used 55 centimetres of the cloth to stitch a frock for her doll. How many centimetres of cloth are left with Runu?

- Nahar took 220 *jamun* from his garden to sell in the market. He sold 192 *jamun*. How many *jamun* were left with him?

- Nazma, Chandra and Tarali brought 240 china roses to make a garland. They used 216 flowers to make the garland. How many china roses were left unused?

- Chameli's mother earned ₹ 570 by plucking tea leaves. She spent ₹ 220 to buy a clip, a red ribbon, a nail polish, one frock, and a laddu of puffed rice for Chameli. How much money was left with her?

- There were 325 buffaloes in Monbor's house. He sold 137 buffaloes. How many buffaloes were left?

One Sunday

One sunday Rongmon took 240 jackfruits to the market. Out of these he sold 170 jackfruits. How many jackfruits were left with him?

Solution

Number of jackfruits taken to the market

Number of jackfruits sold

| 2 | 4 | 0 |
| 1 | 7 | 0 |

Therefore, number of jackfruits left with him is (240 - 170)

Now, let us find out 240 - 170 = ?

Step- 1 : After subtracting the digits in ones place we get 0 ones -0 ones = 0 ones

Number of jackfruits taken to the market

Number of jackfruits sold

H	T	O
2	4	0
- 1	7	0
		0

Step- 2 : Now let us subtract the digits in tens place. We cannot subtract 7 tens from 4 tens. So, we have to borrow 1H = 10 tens from hundreds place. Now in hundreds place we will have 2H - 1H= 1H.

In tens place we will have, 1H =10 tens and 4 tens to get, 10 tens + 4 tens = 14 tens. Now after subtracting 7 tens from 14 tens we will have 7 tens.

Number of jackfruits taken to the market

Number of jackfruits sold

H	T	O
1 2	1 4	0
- 1	7	0
	7	0

Step -3 :

Now let us subtract the digits in hundreds place. Both the numbers have1H in hundreds place. Therefore, by subtracting the digits in hundreds place we get, 1 H - 1H = 0 H

	H	T	O
Number of jackfruits taken to the market	①2̷	①4	0
Number of jackfruits sold	- 1	7	0
Number of jackfruits left with him	0	7	0

Therefore, number of jackfruits left with him is 240-170 = 70

Subtract

(a)
```
  1 4 9
-   5 4
  9 5
```

(b)
```
  4 4 5
- 2 7 3
```

(c)
```
  4 8 8
- 1 9 5
```

(d)
```
  5 2 6
- 4 5 5
```

(e)
```
  5 4 0
     ↓
- 2 4 8
```

(f)
```
  6 8 7
- 1 9 3
```

(g)
```
  5 4 3
- 4 6 9
```

(h)
```
  4 4 0
- 2 6 9
```

(i)
```
  6 2 2
- 5 7 2
```

Let us subtract orally

86 - 74	=...................
49 - 49	=...................
72 - 0	=...................
200 - 100	=...................

50 - 45	=...................
70 - 60	=...................
65 - 55	=...................
355 - 255	=...................

Which road will Moina take to reach the park ?

377

423

864-487

98

100

236

336

631-531 517

527

234

232

732-215

579-343

436-202

213

212

214

634-421