

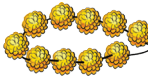
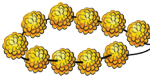






QRickit

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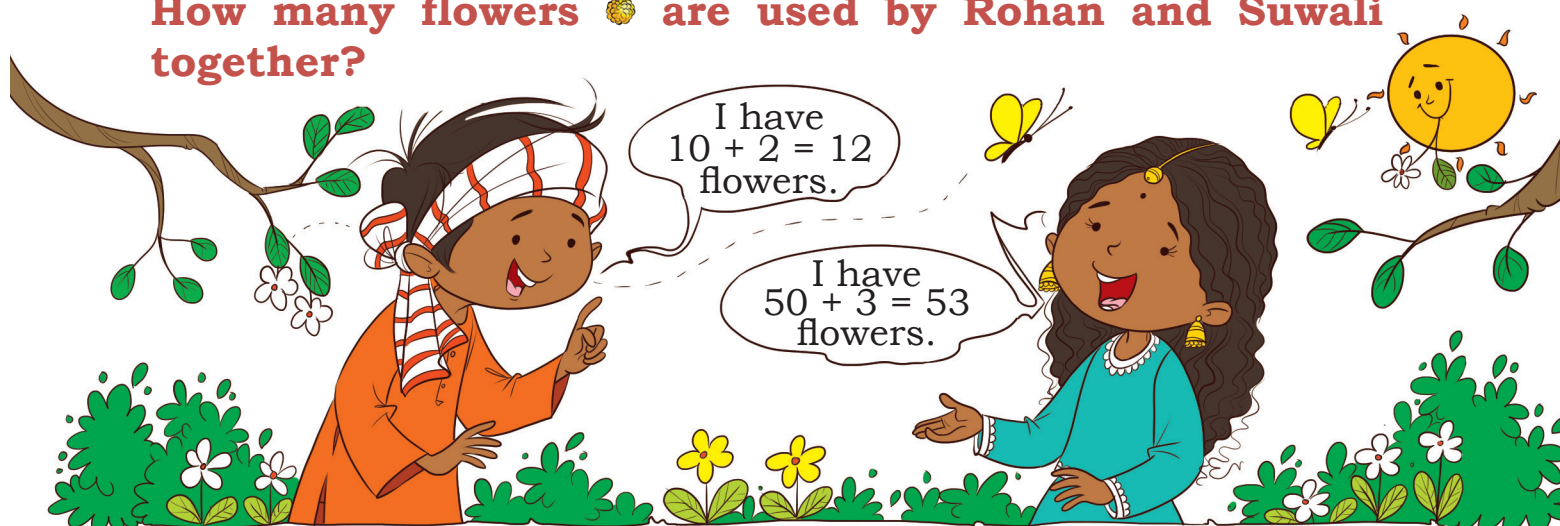


Decoration for Celebration!

Rohan and his friends need garlands  to decorate their homes for celebration. Each  has 10 flowers . Complete the given table with the help of the above picture.

Name	Number of 	Number of 	Total number of 
Rohan	1	2	$10 + 2 = 12$
Simran	3	7	$30 + 7 = 37$
Akash	4	8	$40 + 8 = 48$
Suwali	5		$50 + 3 = 53$
Javed			
Zoha			

How many flowers 🌼 are used by Rohan and Suwali together?



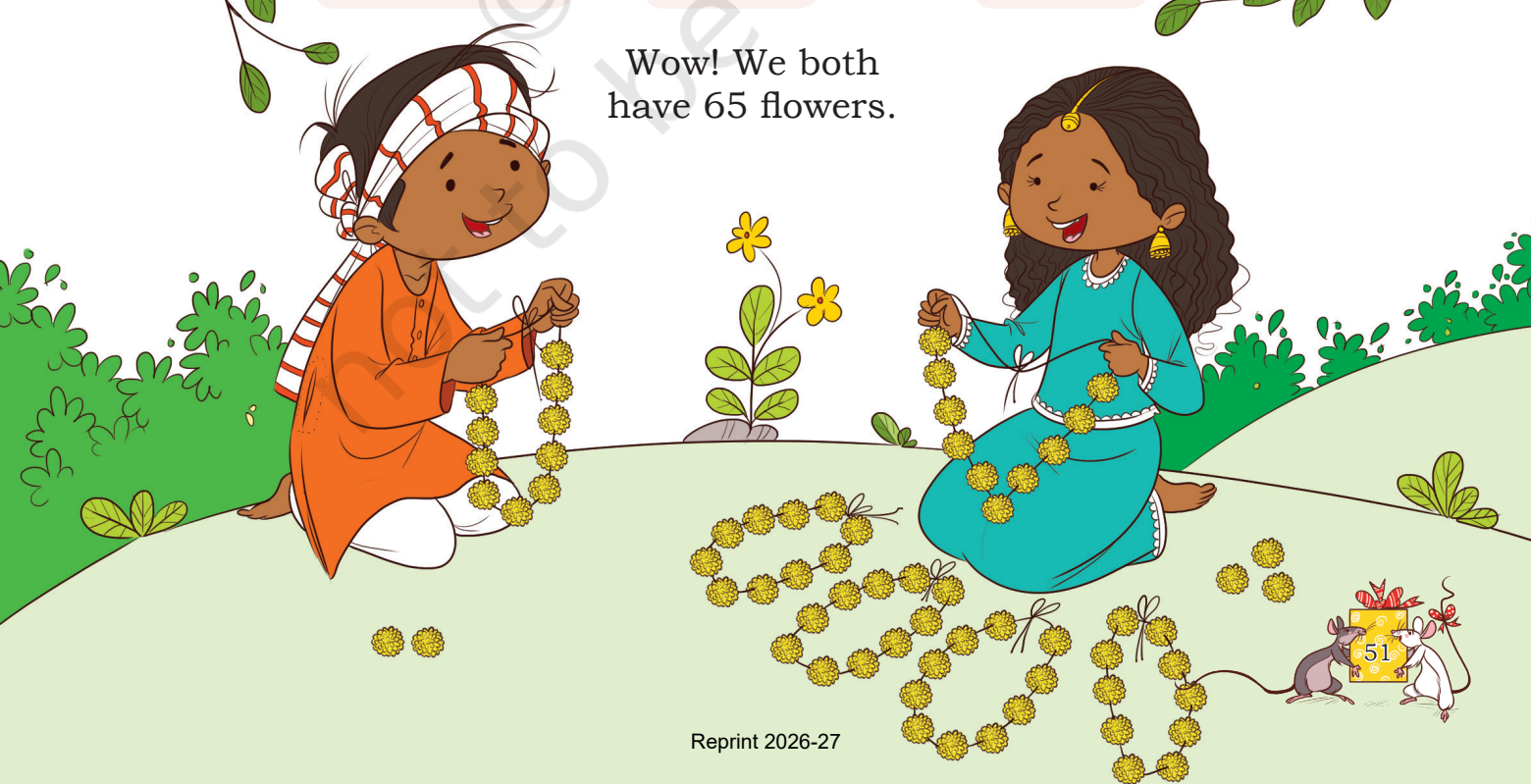
Rohan brings	1 2	$10 + 2 = 12$
Suwali brings	5 3	$50 + 3 = 53$
Suwali and Rohan together bring	6 5	$60 + 5 = 65$

Tens (T)	Ones (O)
1	2
+ 5	3
<hr/>	
<hr/>	

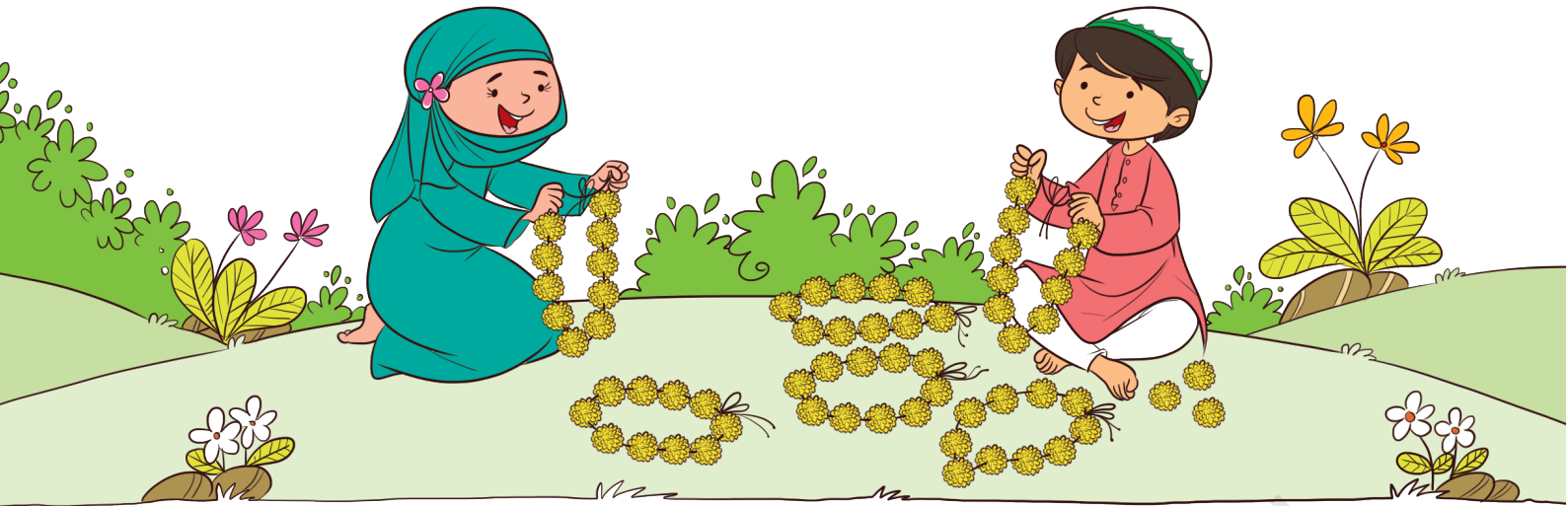
T	O
1	2
+ 5	3
<hr/>	
	5
<hr/>	

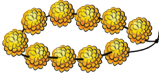


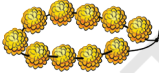


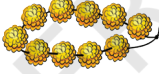


T	O
1	2
+ 5	3
<hr/>	
6	5
<hr/>	

Wow! We both have 65 flowers.



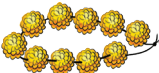


How many flowers 🌼 are used by Zoha and Javed in all?



Zoha brings	2  0 	$20 + 0 = 20$ 
Javed brings	4  3 	$40 + 3 = 43$ 
Zoha and Javed together bring	6  3 	$60 + 3 = 63$ 

$$\begin{array}{r}
 \text{T O} \\
 43 \\
 + 20 \\
 \hline
 \end{array}
 \longrightarrow
 \begin{array}{r}
 \text{T O} \\
 43 \\
 + 20 \\
 \hline
 \end{array}
 \longrightarrow
 \begin{array}{r}
 \text{T O} \\
 43 \\
 + 20 \\
 \hline
 \end{array}$$

What is the total number of flowers 🌼 used by Zoha and Akash?

Zoha brings	2  0 	$20 + 0 = 20$ 
Akash brings		
Zoha and Akash together bring		

$$\begin{array}{r}
 \text{T O} \\
 48 \\
 + 20 \\
 \hline
 \end{array}$$



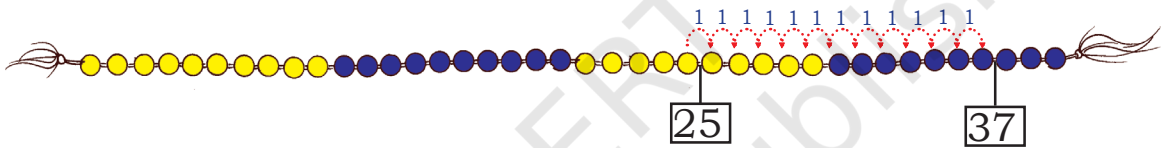
What is the total number of flowers 🌸 used by Rohan and Simran?

Rohan brings		
Simran brings		
Rohan and Simran together bring		

Let us do it on *Ginladi!*

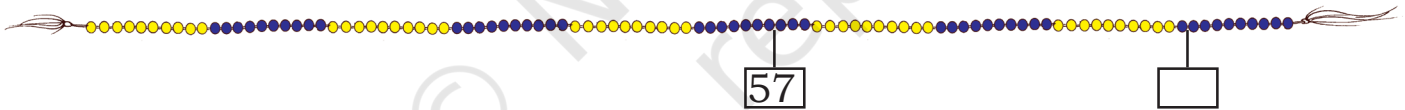


A. $25 + 12 =$



B. $57 + 34 =$

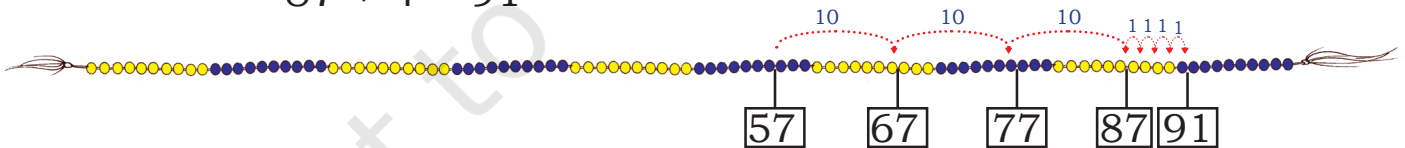
Count ____ ahead of ____



Let us understand this way.

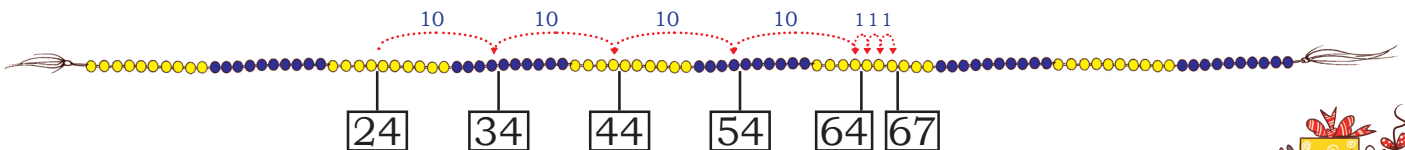
$$57 + 34 = 57 + 30 + 4$$

$$87 + 4 = 91$$



C. $24 + 43 =$

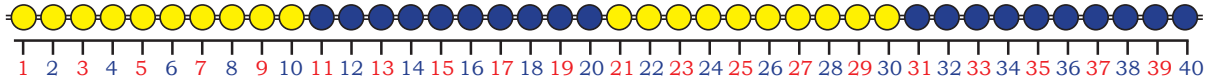
We can write $24 + 40 + 3 = 64 + 3 = 67$



We can get the number 43 in another way: $20 + 20 + 3$



It is difficult to count the beads of *ginladi* every time. Let me write the numbers in place of beads.



Now add numbers on the number line.

I am calling this a number line.



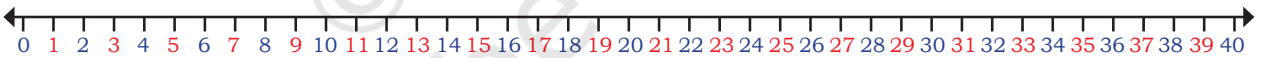
A. $23 + 14 = 37$



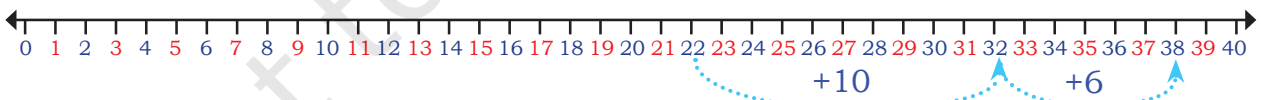
B. $24 + 16 = \square$



C. $11 + 22 = \square$



Read the number line and fill the boxes.

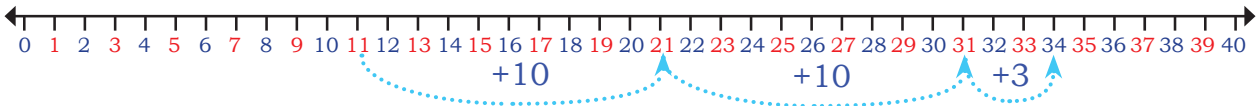


A. $22 + \square = 38$



B. $18 + \square = \square$





C. + =

Add these Numbers

$$\begin{array}{r} 44 \\ + 23 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 56 \\ + 23 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 60 \\ + 25 \\ \hline \\ \hline \end{array}$$

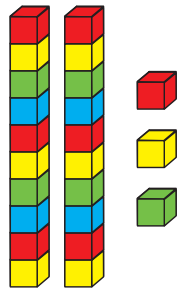
$$\begin{array}{r} 52 \\ + 30 \\ \hline \\ \hline \end{array}$$

Playing with Blocks

Mahi has some blocks. Isha came with her blocks to play. Let us help them in finding how many blocks they have in total.



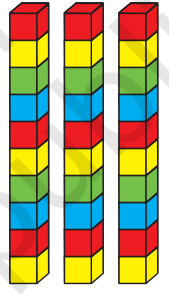
Mahi's Blocks



2 tens 3 ones

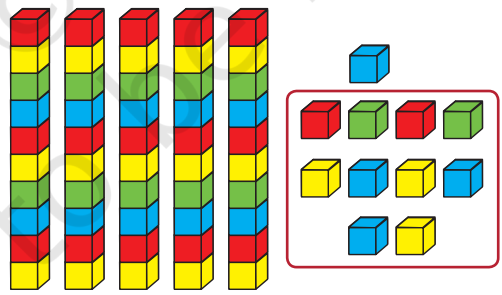
and

Isha's Blocks

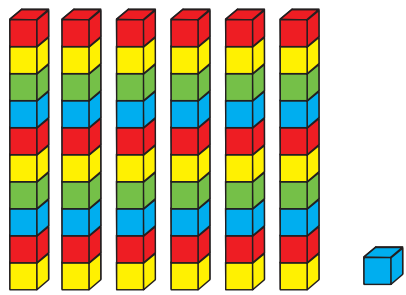


3 tens 8 ones

+



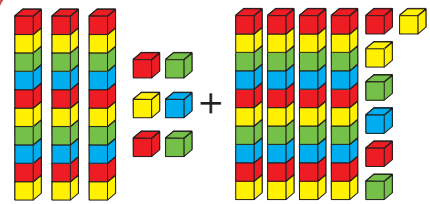
5 tens 11 ones (1 tens 1 ones)



6 tens 1 ones

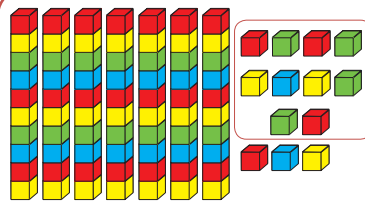


Let us find the total number of blocks.



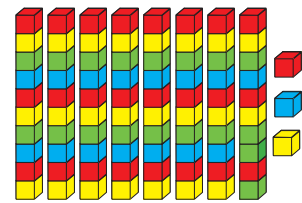
3 tens
6 ones

4 tens
7 ones

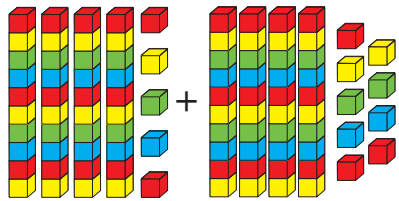


7 tens
13 ones

8 tens and 3 ones

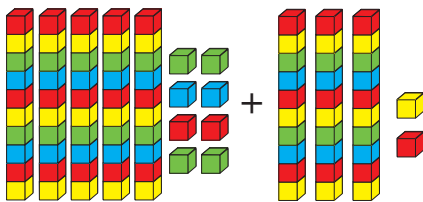


$$80 + 3 = 83$$



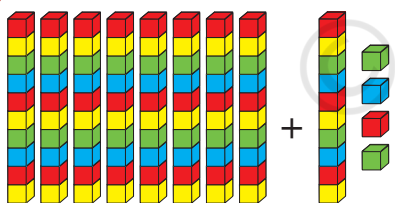
4 tens
5 ones

4 tens
9 ones



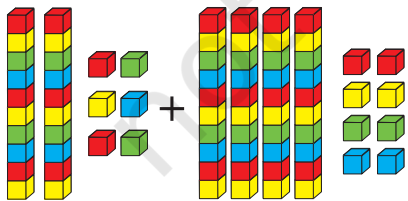
5 tens
8 ones

3 tens
2 ones



8 tens

1 ten
4 ones



2 tens
6 ones

4 tens
8 ones





Isha, do you know, we can add without counting all the blocks again and again?

Oh really, Mahi! Can you show me how?

<table style="margin: auto;"> <tr><td style="text-align: right;">T</td><td style="text-align: right;">O</td></tr> <tr><td style="text-align: right;">3</td><td style="text-align: right;">6</td></tr> <tr><td style="text-align: right;">+ 4</td><td style="text-align: right;">7</td></tr> <tr><td style="text-align: right;">—</td><td style="text-align: right;">—</td></tr> <tr><td style="text-align: right;">—</td><td style="text-align: right;">—</td></tr> </table>	T	O	3	6	+ 4	7	—	—	—	—	<p>Adding ones</p> <p>$(6 + 7 = 13)$</p> <p>→</p> <p>1 tens and 3 ones</p>	<table style="margin: auto;"> <tr><td style="text-align: right;">T</td><td style="text-align: right;">O</td></tr> <tr><td style="text-align: right;">¹3</td><td style="text-align: right;">6</td></tr> <tr><td style="text-align: right;">+ 4</td><td style="text-align: right;">7</td></tr> <tr><td style="text-align: right;">—</td><td style="text-align: right;">—</td></tr> <tr><td style="text-align: right;">—</td><td style="text-align: right;">3</td></tr> </table>	T	O	¹ 3	6	+ 4	7	—	—	—	3	<p>Adding tens</p> <p>$(3 + 4 + 1 = 8)$</p> <p>→</p> <p>8 tens</p>	<table style="margin: auto;"> <tr><td style="text-align: right;">T</td><td style="text-align: right;">O</td></tr> <tr><td style="text-align: right;">¹3</td><td style="text-align: right;">6</td></tr> <tr><td style="text-align: right;">+ 4</td><td style="text-align: right;">7</td></tr> <tr><td style="text-align: right;">—</td><td style="text-align: right;">—</td></tr> <tr><td style="text-align: right;">—</td><td style="text-align: right;">83</td></tr> </table>	T	O	¹ 3	6	+ 4	7	—	—	—	83
T	O																																	
3	6																																	
+ 4	7																																	
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T	O																																	
¹ 3	6																																	
+ 4	7																																	
—	—																																	
—	83																																	

Shifting the tens

Add

46
+ 39
—
—

56
+ 19
—
—

36
+ 8
—
—

30
+ 58
—
—



45
+ 35
—
—







Let us Do




A. Rahim made 43 runs in one match and 58 runs in another match. How many runs he made in the two matches together?



B. Simarpreet  had 12 colour pencils . Her mother gifted her 36 more colour pencils. How many total colour pencils does she have now?

C. Heena  collected 34 red marbles  and 57 blue marbles . How many total marbles does she have now?

D. Sarika  spent ₹56 in the fair, while Manish spent ₹35 in the fair. What is the total money they both spent in the fair?

E. There are 36 men  and 47 women  in the bus . How many people are there in the bus?



Let us Count *Diyas*





I count 75 first and then I will go 35 steps backward.



40

75

That means if we take away 35 from 75, then the answer will be 40.

$$75 - 35 = 40$$



20

32

On taking away 12 from 32, we get 20.

$$32 - 12 = 20$$

If we have 32 *diy*as in the morning and 12 *diy*as are sold by the evening. How many *diy*as are left?

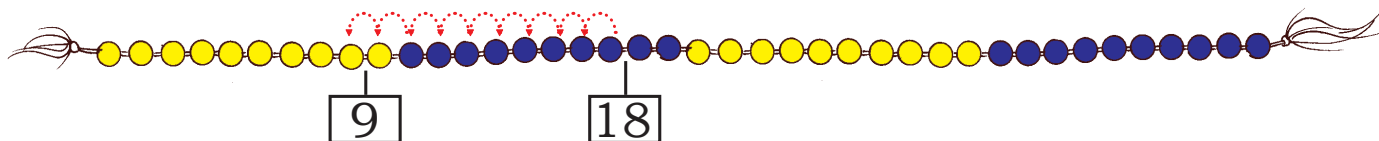


We can also use the *ginladi* to find the answers of the following.

A.

Take away 9 from 18

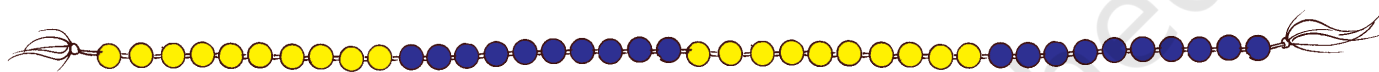
$18 - 9 =$



B.

Take away 8 from 12

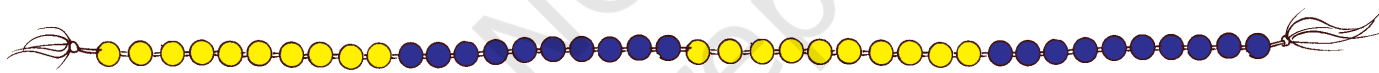
$12 - 8 =$



C.

Take away 18 from 30

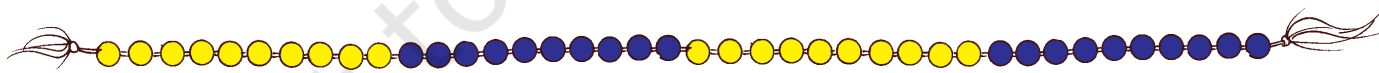
$30 - 18 =$



D.

Take away 14 from 23

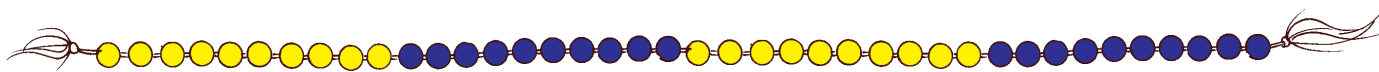
$23 - 14 =$

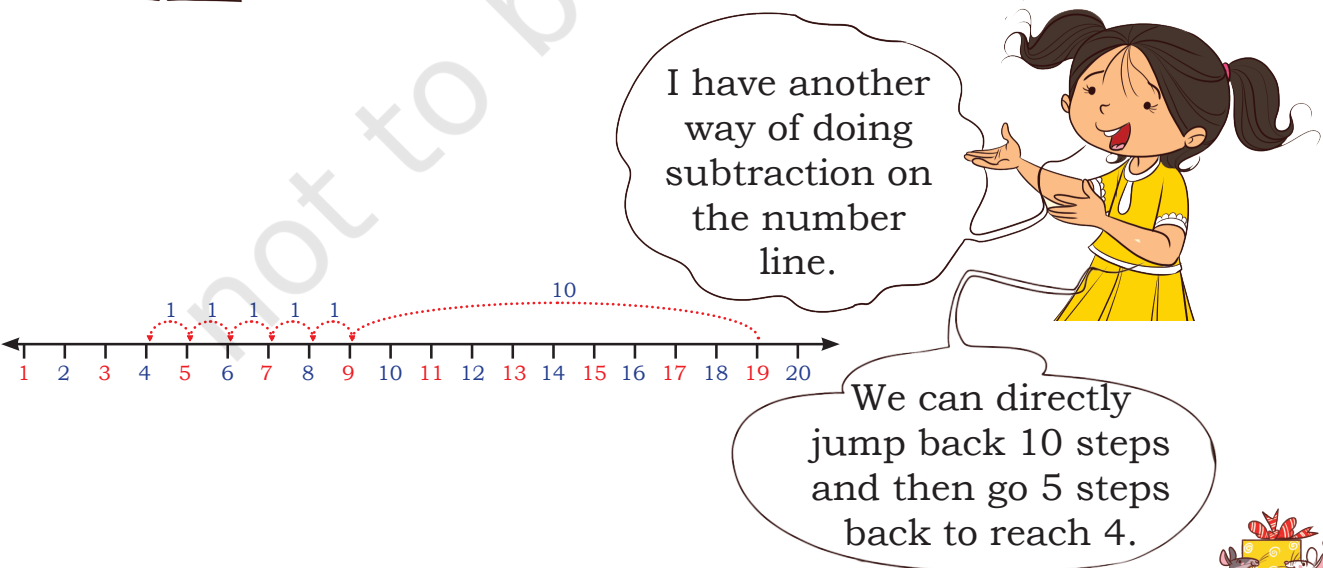
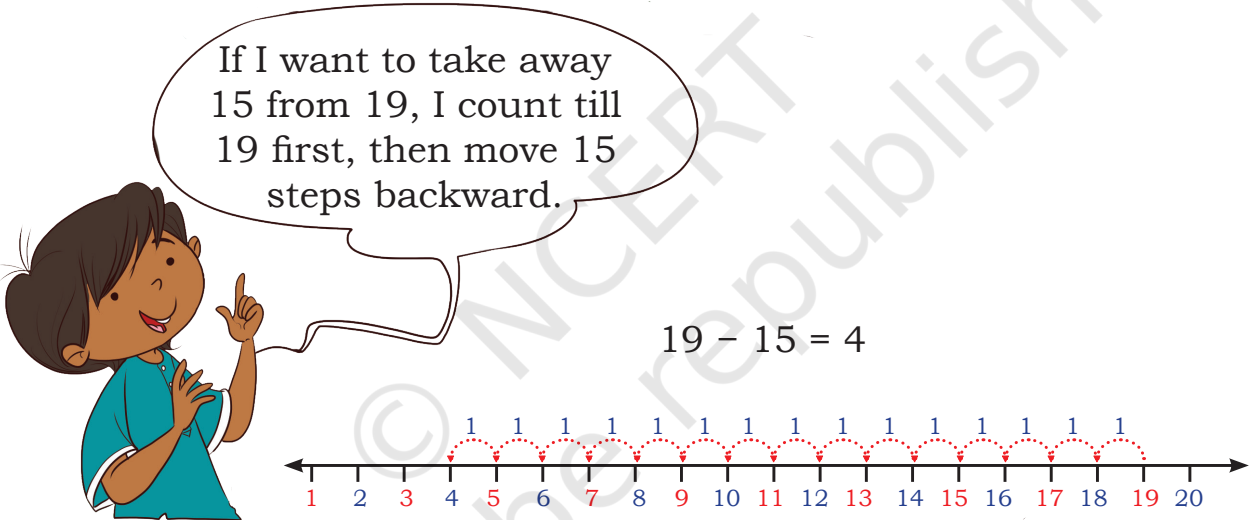


E.

Take away 17 from 26

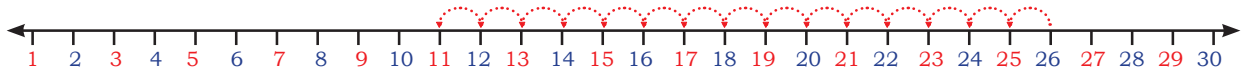
$26 - 17 =$



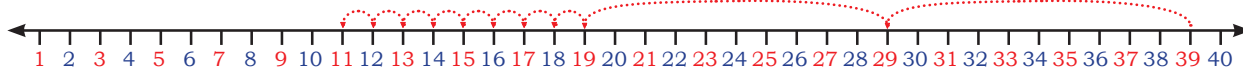


Let us do some practice on number line.

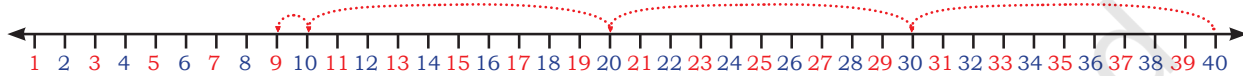
Read the number line and fill the boxes.



A. $26 - \boxed{} = \boxed{}$



B. $39 - 28 = \boxed{}$



C. $\boxed{} - \boxed{} = \boxed{}$



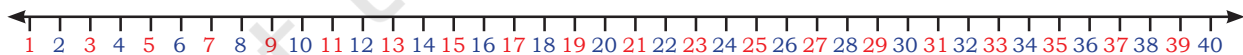
D. $38 - 11 = \boxed{}$



E. $22 - 22 = \boxed{}$



F. $14 - 0 = \boxed{}$



G. $35 - 12 = \boxed{}$

Discuss with children about subtracting zero and subtracting the number with itself by taking examples from daily life situations, like, spending all money or spending no money.



Playing with Blocks






10



1



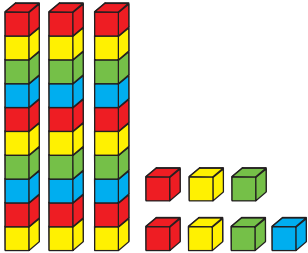
I have 45  I give 12 
to my friend. I am left with 

	T	O
	4	5
-	1	2
<hr/>		
<hr/>		

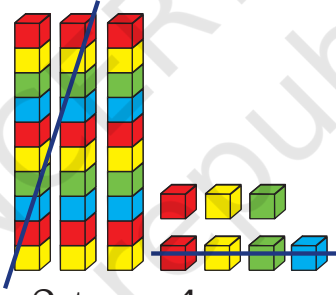
	T	O
	4	5
-	1	2
<hr/>		
	3	
<hr/>		

	T	O
	4	5
-	1	2
<hr/>		
	3	3
<hr/>		

Subtract 24 from 37



3 tens 7 ones



2 tens 4 ones

	T	O
	3	7
-	2	4
<hr/>		
<hr/>		



Let us Do

	2	4
-	1	3
<hr/>		
<hr/>		

	5	4
-	3	1
<hr/>		
<hr/>		

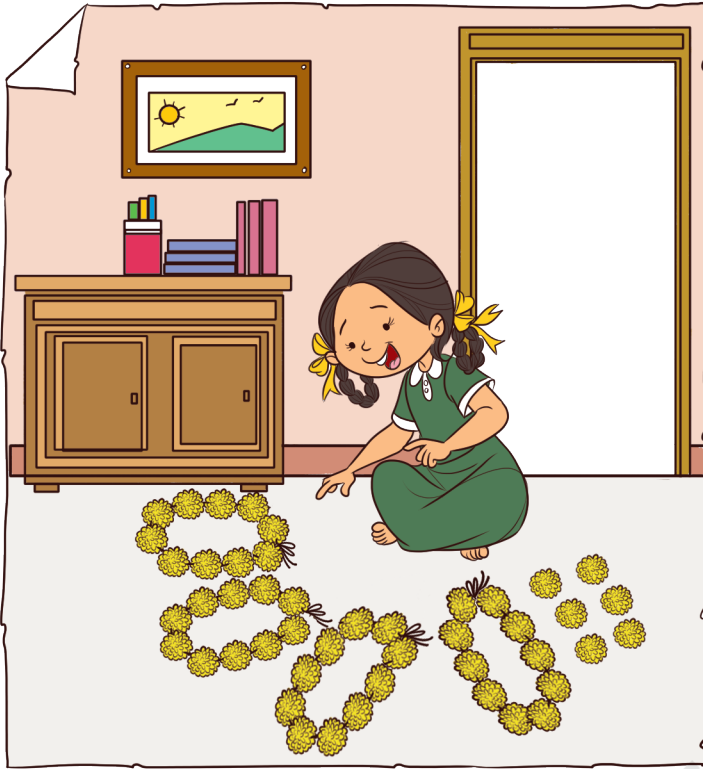
	3	2
-	1	2
<hr/>		
<hr/>		

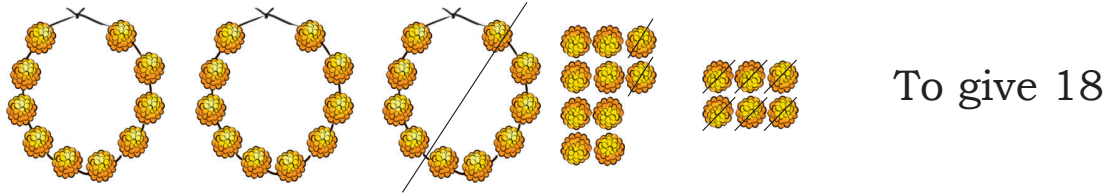
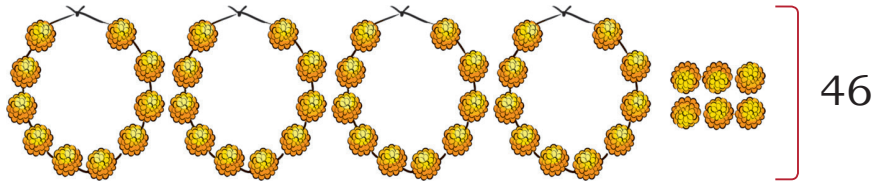
	4	6
-	3	4
<hr/>		
<hr/>		

- A. Shikha has ₹82. She bought pencils for ₹22. How much money is she left with?
- B. Ruby has ₹60. She bought a notebook for ₹20. How much money is she left with?



Decorating with Garlands





T	O
4	6
- 1	8

T	O
3	16
4	6
- 1	8
	↓
	8

(opens 1 = 16)

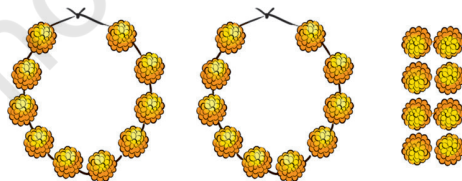
$$16 - 8 = 8$$

T	O
3	16
4	6
-	18
	↓
	28



I am left with 2 garlands and 8 flowers or 28 flowers in all.

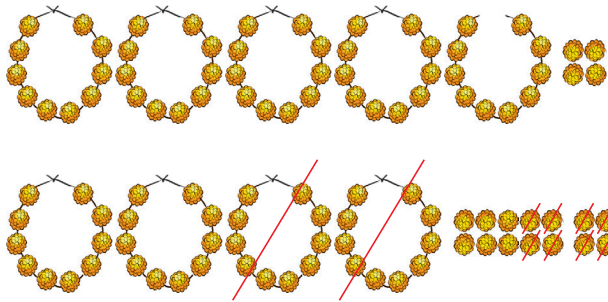
Now, Jyoti has 28 flowers in all. She gives 5 to her friend. Help Jyoti to find out how many flowers is she left with?



	2	8
-		5



Now, Jyoti has 54 flowers in all. She gives 28 to her mother. How many flowers is she left with?



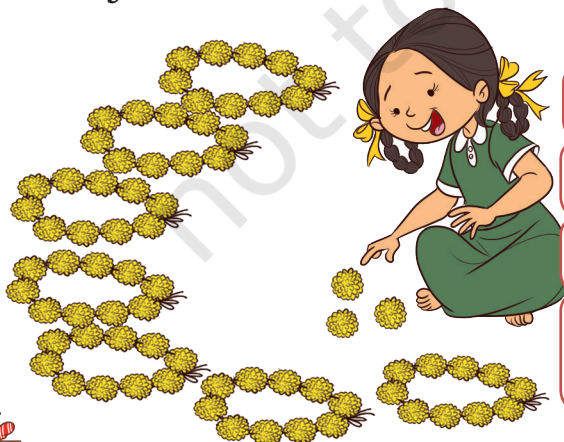
$\begin{array}{r} 54 \\ - 28 \\ \hline \end{array}$	→	$\begin{array}{r} 4 \ 14 \\ \cancel{5} \ \cancel{4} \\ - 28 \\ \hline 6 \end{array}$	→	$\begin{array}{r} 4 \ 14 \\ \ \cancel{4} \\ - \ 28 \\ \hline 26 \end{array}$
---	---	--	---	--

Oh! I need to open one garland. Then I will have 4 garlands and 14 flowers, from it I can give 8 flowers.

$14 - 8 = 6$

I am left with 2 garlands and 6 flowers or 26 flowers in all.

Jyoti has 73 flowers in all. She gives 47 to her mother. How many flowers is she left with?



	Garlands	Flowers
Jyoti has	7	3
Jyoti gives	4	7
Jyoti is left with		





Let us Do

$$\begin{array}{r} 45 \\ - 18 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 84 \\ - 37 \\ \hline \\ \hline \end{array}$$

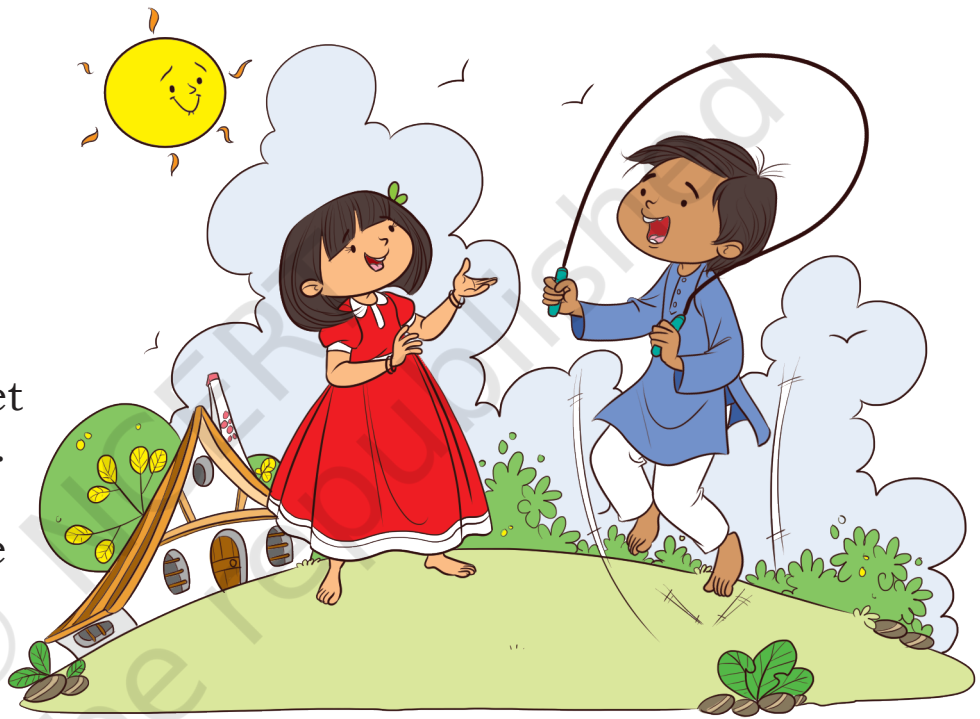
$$\begin{array}{r} 65 \\ - 45 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 27 \\ - 27 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 93 \\ - 48 \\ \hline \\ \hline \end{array}$$

Skip the Rope

Aman and Avni are playing 'skip the rope'. Both have to complete 20 skips. A skip can be counted when the rope passes under the feet. They will get two chances to skip. If one misses any skip in the first time then they will get one more chance to complete 20 skips.



A. Aman skipped 14 times in the first chance. How many more skips he has to make to complete 20 skips?

$$20 - 14 = \underline{\quad}$$

$$14 + \underline{\quad} = 20$$

B. Avni skipped 12 times in the first chance. How many more skips she has to make to complete 20 skips?

$$20 - 12 = \underline{\quad}$$

$$12 + \underline{\quad} = 20$$





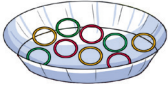






Let us Do



We can use any of the method—*ginladi*, number strip, number block or *moti mala* to find the answers.

- A. Anushka  collected 63 shells . She gave 26 shells to her brother. How many shells are left with her?
- B. 54 passengers were sitting in the bus  and 16 got down at the bus stand. How many are there in the bus now?
- C. There were 40 balloons  and 13 balloons got burst. How many balloons are left?
- D. Kanika made 72 bangles . She sold 36 bangles. How many bangles are left with Kanika now?
- E. 56 birds were sitting on the tree . A few more birds joined them. Now there are 87 birds. Find out the number of birds that came later.
- F. Arman dribbled the ball  18 times. How many more times should he dribble the ball to complete 35 taps?

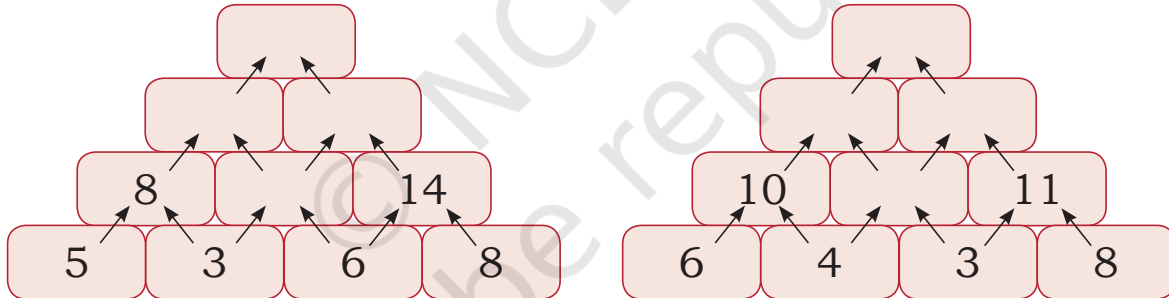


Addition and Subtraction Facts

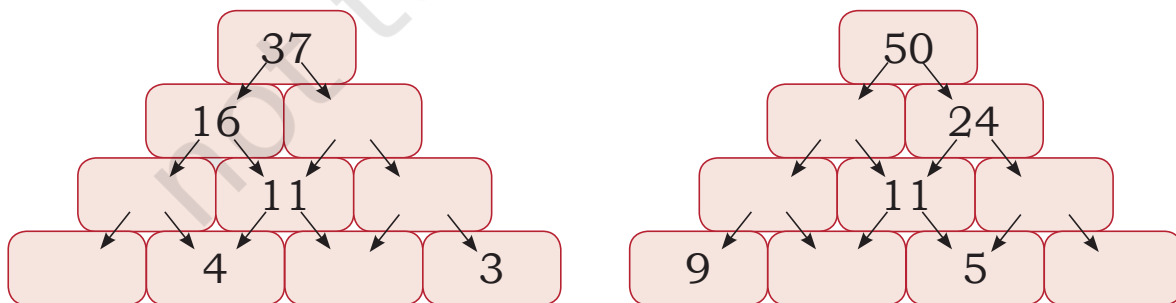
Fill the missing numbers to complete the fact family.

20, 30, 50	10, 20, 30	20, 80, 100
$20 + 30 = \underline{\quad}$ $30 + \underline{\quad} = 50$ $50 - \underline{30} = 20$ $\underline{\quad} - 20 = 30$	$10 + 20 = \underline{\quad}$ $\underline{\quad} + \underline{\quad} = \underline{\quad}$ $30 - \underline{\quad} = 10$ $30 - \underline{\quad} = 20$	<div style="text-align: center; font-size: 2em; opacity: 0.5;"> NCERT to be republished </div>

Addition and Subtraction Pyramid



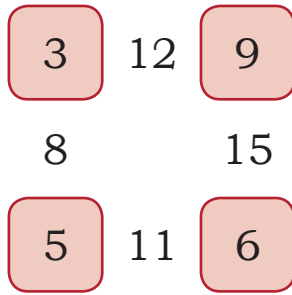
Addition pyramid



Subtraction pyramid



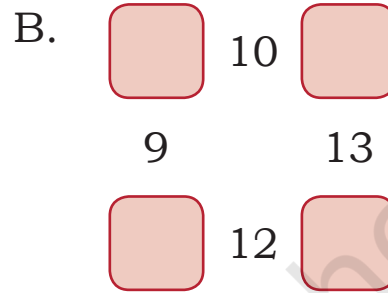
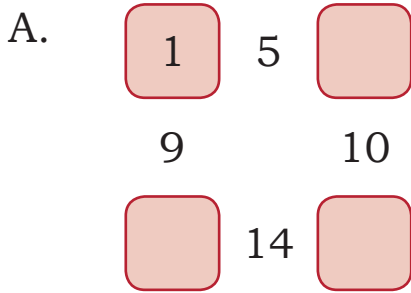
Look at this diagram.



Here, $3 + 9 = 12$ $9 + 6 = 15$

$6 + 5 = 11$ $5 + 3 = 8$

Now complete the following diagrams.



Hania and Mansi's Gift

Hania and Mansi want to give a gift to their mother. For its decoration, they purchased some ribbons and a gift wrapper.

There are ₹78 in the purse. The cost of a gift wrapper is ₹24 and the cost of ribbons is ₹37.

A. How much money did they spend?

B. How much money is left with them?



Project Work

Daljeet has solved some questions and written down their answers. What do you think? Are they correct? Verify the answers.

Correct it if you find them wrong.

$$\begin{array}{r} 25 \\ + 36 \\ \hline 511 \end{array}$$

$$\begin{array}{r} 37 \\ + 58 \\ \hline 131 \end{array}$$

$$\begin{array}{r} 35 \\ - 17 \\ \hline 22 \end{array}$$

$$\begin{array}{r} 57 \\ - 78 \\ \hline 21 \end{array}$$

$$\begin{array}{r} 30 \\ - 17 \\ \hline 27 \end{array}$$

