

3 ADDITION

Sita and Geeta were playing in the school ground. Sita saw birds on the wall and asked Geeta, "How many birds are there?" Help Geeta to count the number of birds on the wall?



Number of birds on the wall




How many are joining them




All together how many

We can write the above as + =

Shafi has 9 beads and Sanjeev has 6 beads. How many beads are there in all? Count and write.

Shafi has 

Sanjeev has 

All together 

We can write the above as + =

How many students are there in Kondur school?

The table given below provides information about the number of students in classes I to V in Kondur school. Find out how many students are there in each class.

	Class I	Class II	Class III	Class IV	Class V	Total
Boys	12	13	14	16	13	68
Girls	14	15	15	14	21	79
Total						

Janu saw the table and said that in class I there are -

12 Boys → 12 is 10 and 2

14 Girls → 14 is 10 and 4

Total students = $12 + 14 = 26$.



How did she add 12 and 14 so fast?

Let me also try.

In class I, 12 boys and 14 girls.

So $12 + 14$

$$= \underbrace{10 + 2 + 10 + 4}$$

$$= 20 + \underbrace{2 + 4}$$

$$= 20 + 6$$

$$= 26$$

I can break 12 into $10 + 2$ and 14 into $10 + 4$

Then it is easy. I add $10 + 10$ and $2 + 4$



See if you can do the same for class II, III, IV and V students.

Class II → $13 + 15$

$$= \square + \square + \square + \square$$

$$= \square + \square + \square$$

$$= \square + \square$$

$$= \square$$

Class III → $14 + 15$

$$\begin{aligned} &= \square + \square + \square + \square \\ &= \square + \square + \square \\ &= \square + \square \\ &= \square \end{aligned}$$



Class IV → $16 + 14$

$$\begin{aligned} &= \square + \square + \square + \square \\ &= \square + \square + \square \\ &= \square + \square \\ &= \square \end{aligned}$$

Class V → $13 + 21$

$$\begin{aligned} &= \square + \square + \square + \square \\ &= \square + \square + \square \\ &= \square + \square \\ &= \square \end{aligned}$$

I can also do
in this way

$$\begin{aligned} &13 + 21 \\ &= 13 + 20 + 1 \\ &= 14 + 20 \\ &= 34 \end{aligned}$$


Try These

1. Now work out the steps in your mind write the answers in the boxes.

(A) $43 + 25 =$

(B) $63 + 36 =$

(C) $27 + 51 =$

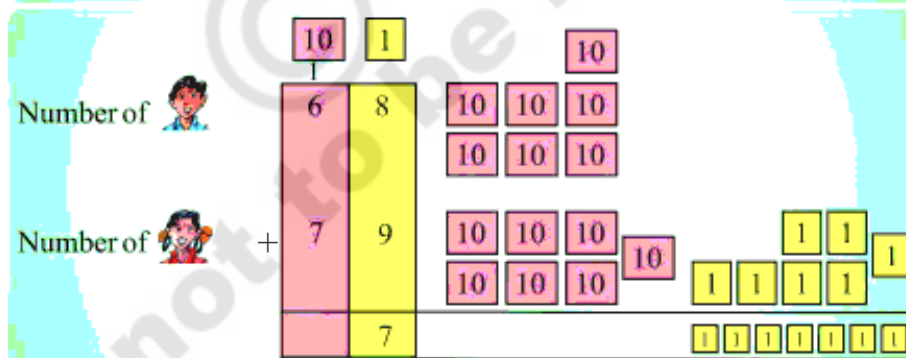
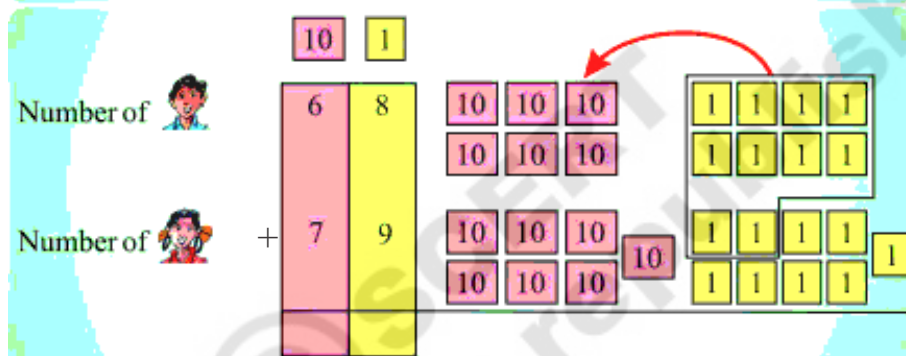
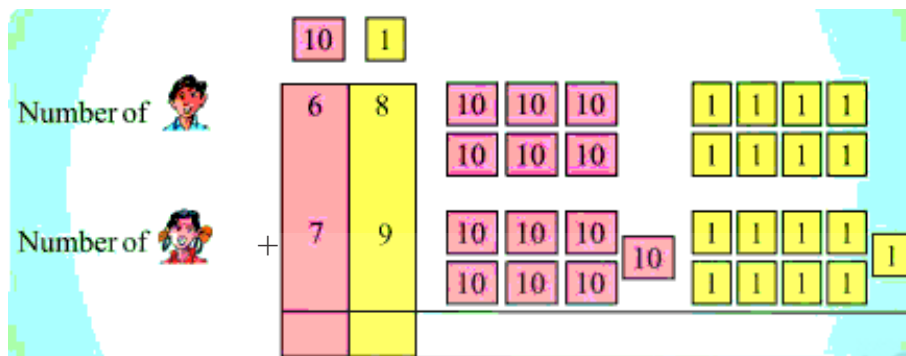
(D) $83 + 15 =$

(E) $60 + 25 =$

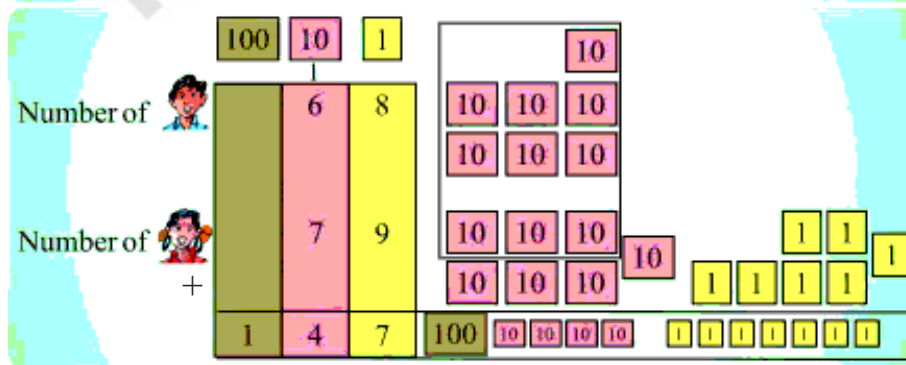
(F) $45 + 20 =$

Carefully look at the table again.

The total number of boys in Kondur school is 68 and the total number of girls is 79. What is total number of students in Kondur school? Let us add the number of boys and girls.



When we add ones 8 ones and 9 ones made 17 ones 17 ones is equal to 1 ten and 7 ones



When we add tens 6 tens and 7 tens and 1 ten together 14 tens or 1 hundred and 4 tens

So, the total number of students in Kondur school is 147.

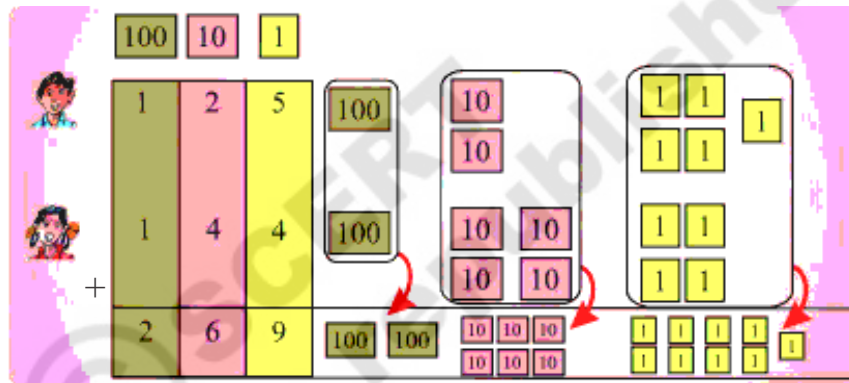
Try These

$\begin{array}{r} \boxed{10} \quad \boxed{1} \\ 27 \\ + 48 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} \boxed{10} \quad \boxed{1} \\ 68 \\ + 23 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} \boxed{10} \quad \boxed{1} \\ 39 \\ + \quad 8 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} \boxed{10} \quad \boxed{1} \\ 75 \\ + 26 \\ \hline \\ \hline \end{array}$
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How many students are there in Thimmapur school?

There are 125 boys and 144 girls in Thimmapur school. What is the total number of students in the school?

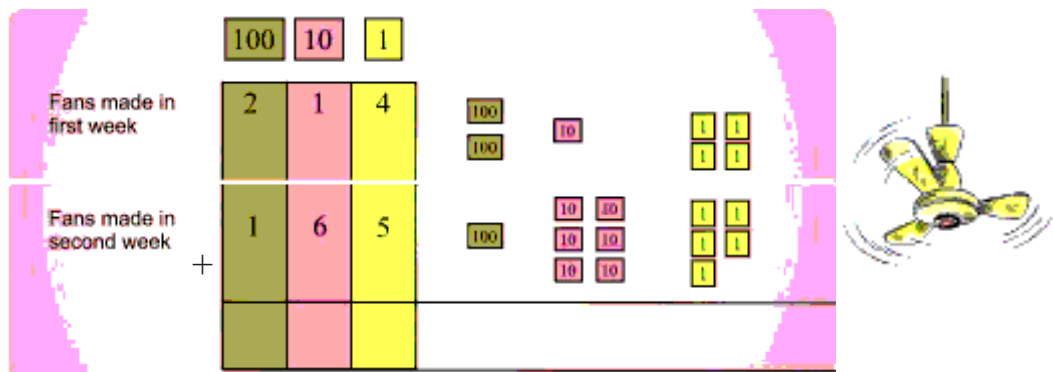
Let us find the total number of students in the school.



So, the total number of students in Timmapur school is 269.


Try These

- A factory produces 214 fans in the first week and 165 fans in the second week. How many fans did the factory produce in the two weeks?



2. Raju found 125 pebbles and Keshor found 63 pebbles. How many pebbles did they find in all?

	100	10	1
	1	2	5
+		6	3

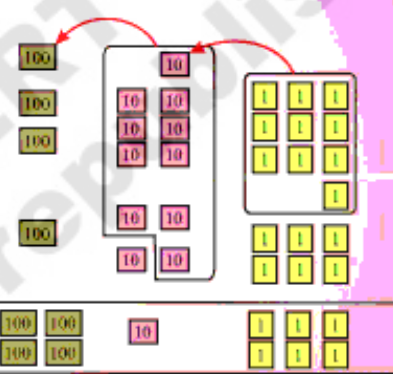


How many students are there in both schools?

We know that the total number of students in Kondur school is 147. We also know that the total number of students in Thimmapur school is 269.

Let us find the total number of students in the two schools.

	100	10	1
Number of students in Thimmapur school	2	6	9
Number of students in Kondur school	1	4	7
+			
	4	1	6



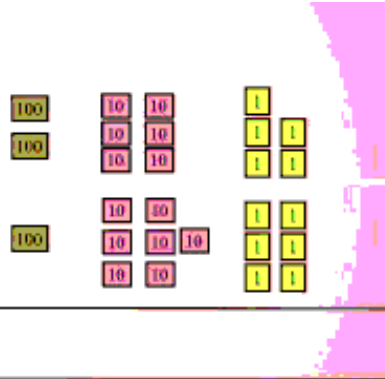
So, the total number of students in both schools is 416.

Try These

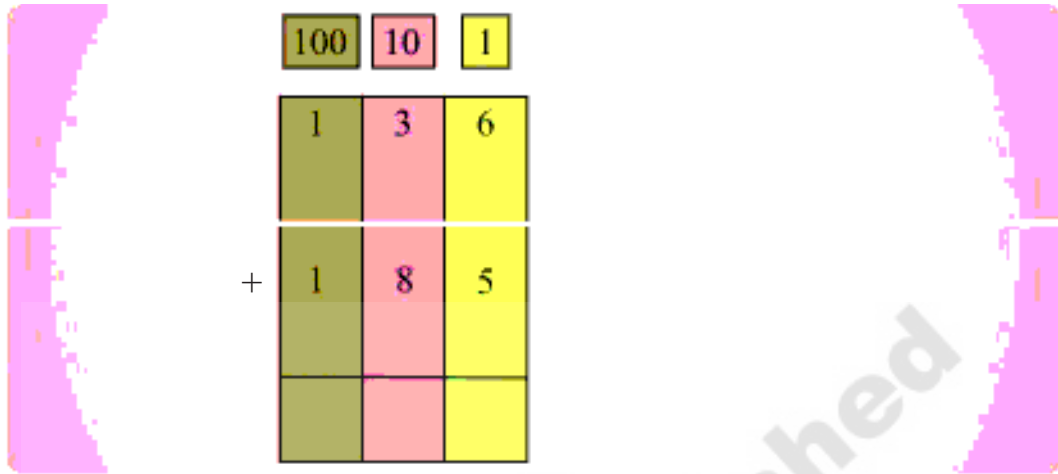
1. Thimmapur school library has 265 Telugu story books and 176 English story books. How many story books does the school have all together?

The total number of story books all together is _____

	100	10	1
Number of Telugu story books	2	6	5
Number of English story books	1	7	6
+			



2. A fruit-seller sold 136 oranges and 185 apples in one day. How many fruits did the fruit seller sell in the day?



Do This

(A)

100	10	1
2	7	5
+ 1	0	6

(B)

100	10	1
1	6	8
+ 2	4	0

(C)

100	10	1
3	9	3
+ 1	8	7

(D)

100	10	1
7	2	6
+ 7	5	

(E)

100	10	1
6	0	9
+ 9	8	

(F)

100	10	1
5	4	7
+ 2	7	5

(G) $145 + 22 =$

(H) $365 + 103 =$

(I) $263 + 210 =$

(J) $103 + 425 =$

(K) $320 + 46 =$

(L) $85 + 104 =$

How many bricks?

A kitchen is being constructed in Thimmapur school. 475 bricks are available. The mason brings 220 more bricks and uses them to construct the kitchen. A total of how many bricks are used to construct the kitchen?



Think!
Is $475 + 220$
more than 600
or less than
600?

	100	10	1
Number of bricks in the school	4	7	5
Number of bricks the mason brings	+ 2	2	0
Total number of bricks	6	9	5

Try This

- John and Gopi are playing with pebbles. John has 163 pebbles. He wins 125 more pebbles. How many pebbles does John have now?

	100	10	1
John's pebbles initially	1	6	3
Pebbles won by John	+ 1	2	5
John's pebbles			


Think!
Is $163 + 125$ more
than 200 or less
than 200?



How many laddoos do you need?


It was decided to distribute a laddoo to each person on Independence Day in Palasa school. There were 245 students and 13 teachers. Two girls Laxmi and Rani calculated the number of laddoos required for distribution, as given below-

Laxmi



$$\begin{array}{r} 245 \\ + 13 \\ \hline 375 \end{array}$$

Rani



$$\begin{array}{r} 245 \\ + 13 \\ \hline 258 \end{array}$$

Who added correctly? Why?

Try These

1. Ravi has ₹ 125. His father gives ₹ 45 to him. Now, how many rupees does Ravi have?

Ravi has	100	10	1	1	2	5
Father gives	+			4	5	
<hr style="border: 0.5px solid black;"/>						
Total	<hr style="border: 0.5px solid black;"/>					

Think!
Is $125 + 45$ more than 100 or less than 100



2. A teacher keeps a note of the number of story books and story cards read by boys and girls in the school. This is what she found:

Students	Story books	Story cards
Girls	129	237
Boys	75	150

Find out:

- (A) How many total story books and story cards are read by girls?
- (B) How many total story books and story cards are read by boys?
- (C) How many total story books are read by the students?
- (D) How many story cards are read by the students?

How many chalk boxes?

In Salur school, children make chinks and distribute to other schools. In one month they made 175 chalk boxes and in the next month they made 127 chalk boxes. After the two months Gopi asked his friend Rafi, "how many chalk boxes have we made?"

Gopi and Rafi found the total number of boxes in the following way-



$$\begin{array}{r} 175 \\ 127 \\ \hline 302 \end{array}$$

$$\begin{array}{r} 175 \\ 127 \\ \hline 302 \end{array}$$



Who has made a mistake?

What is the mistake?

Do This

1. Add the following.

$$\begin{array}{r} \text{(A)} \quad \begin{array}{ccc} \boxed{100} & \boxed{10} & \boxed{1} \\ 2 & 7 & 6 \\ + 3 & 1 & 3 \\ \hline \\ \hline \end{array} \end{array}$$

$$\begin{array}{r} \text{(B)} \quad \begin{array}{ccc} \boxed{100} & \boxed{10} & \boxed{1} \\ 6 & 0 & 3 \\ + 2 & 5 & 6 \\ \hline \\ \hline \end{array} \end{array}$$

$$\begin{array}{r} \text{(C)} \quad \begin{array}{ccc} \boxed{100} & \boxed{10} & \boxed{1} \\ 5 & 2 & 0 \\ + 3 & 0 & 7 \\ \hline \\ \hline \end{array} \end{array}$$

$$\begin{array}{r} \text{(D)} \quad \begin{array}{ccc} \boxed{100} & \boxed{10} & \boxed{1} \\ 3 & 4 & 9 \\ + & 2 & 4 \\ \hline \\ \hline \end{array} \end{array}$$

$$\begin{array}{r} \text{(E)} \quad \begin{array}{ccc} \boxed{100} & \boxed{10} & \boxed{1} \\ 2 & 6 & 3 \\ + & 8 & 4 \\ \hline \\ \hline \end{array} \end{array}$$

$$\begin{array}{r} \text{(F)} \quad \begin{array}{ccc} \boxed{100} & \boxed{10} & \boxed{1} \\ 1 & 4 & 9 \\ + & 6 & 5 \\ \hline \\ \hline \end{array} \end{array}$$

$$\begin{array}{r} \text{(G)} \quad \begin{array}{ccc} \boxed{100} & \boxed{10} & \boxed{1} \\ 3 & 2 & 5 \\ + 4 & 9 & 8 \\ \hline \\ \hline \end{array} \end{array}$$

$$\begin{array}{r} \text{(H)} \quad \begin{array}{ccc} \boxed{100} & \boxed{10} & \boxed{1} \\ 3 & 9 & 4 \\ + 1 & 0 & 8 \\ \hline \\ \hline \end{array} \end{array}$$

$$\begin{array}{r} \text{(I)} \quad \begin{array}{ccc} \boxed{100} & \boxed{10} & \boxed{1} \\ 2 & 0 & 9 \\ + & 8 & 4 \\ \hline \\ \hline \end{array} \end{array}$$

$$\begin{array}{r} \text{(J)} \quad \begin{array}{ccc} \boxed{100} & \boxed{10} & \boxed{1} \\ 5 & 4 & 9 \\ + 2 & 6 & 5 \\ \hline \\ \hline \end{array} \end{array}$$

$$\begin{array}{r} \text{(K)} \quad \begin{array}{ccc} \boxed{100} & \boxed{10} & \boxed{1} \\ 3 & 0 & 9 \\ + 4 & 0 & 8 \\ \hline \\ \hline \end{array} \end{array}$$

$$\begin{array}{r} \text{(L)} \quad \begin{array}{ccc} \boxed{100} & \boxed{10} & \boxed{1} \\ 6 & 1 & 4 \\ + 1 & 0 & 8 \\ \hline \\ \hline \end{array} \end{array}$$

2. Answer the following.

- (A) There were 215 students in Kanala school. After it was reopened in June, 67 more students joined. How many students are there in the school now?
- (B) There are 135 mango trees and 145 guava trees in a garden. How many trees are there in all in the garden?
- (C) Rama's age is 37 years. Sita's age is 18 years more than Rama's age. What is Sita's age?
- (D) Keerthi travelled 45 km by car and 176 km by bus. What is the total distance travelled by Keerthi?
- (E) Ravi has 2 hundred rupee notes 6 ten rupee notes and 5 one rupee notes. Sita has 3 hundred rupee notes and 5 ten rupee notes. How much money do both have together?