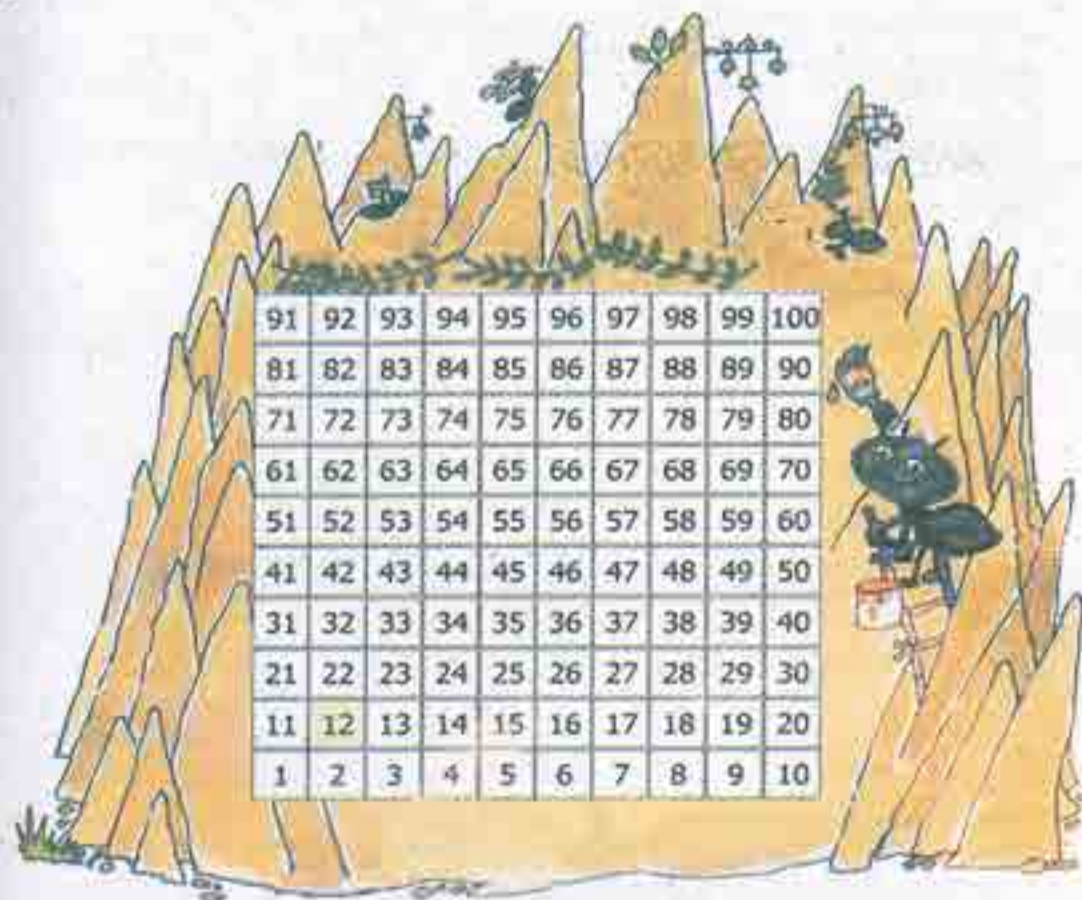


# Give and Take



I am Kittu. This is my home. Isn't it huge? It has 100 rooms. Help me in painting some of the rooms.



I start from room 2. I add 10 to 2 to reach room 12 and paint it. To add 10 to 2, we can go all the way to the right to 10.

Then up to 11, and one step right to 12.

This is one way to go from 2 to 12.

Is there a shortcut? Of course! Follow me.

We can jump up one row.

A jump from 2 to 12 is like taking \_\_\_\_\_ steps.

- ↓ Now try one jump up from 14

$$14 + 10 = \underline{24}$$

Colour this room.



- ↓ How will I go from 22 to 41? Jump from 22 to 42.

Then one step left. We can write it like this

$$22 + 20 = 42$$

$$42 - 1 = 41$$

How many steps did I go in all?

You could also go this way:

From 22 take one step left to 21

Then two jumps up to 41.

$$22 - 1 = 21$$

$$21 + 20 = 41$$



**Try these on Kittu's home:**

a) 10 less than 34 is \_\_\_\_\_.

b)  $53 - 20 =$  \_\_\_\_\_.

c) 11 more than 31 is \_\_\_\_\_.

d) 11 less than 66 is \_\_\_\_\_.

e)  $62 + 13 =$  \_\_\_\_\_.

f) 23 less than 89 is \_\_\_\_\_.

g) 10 and 40 more is \_\_\_\_\_.



The 10×10 number grid is a useful aid for adding and subtracting two-digit numbers. Children should be encouraged to try these operations mentally using the grid as often as possible.

- h) 9 added to 28 gives \_\_\_\_\_.
- i) The sum of 9 and 44 is \_\_\_\_\_.
- j) Reducing 98 by 34 gives \_\_\_\_\_.
- k) 4 and 37 more is \_\_\_\_\_.
- l) Take 35 away from 83. We get \_\_\_\_\_.

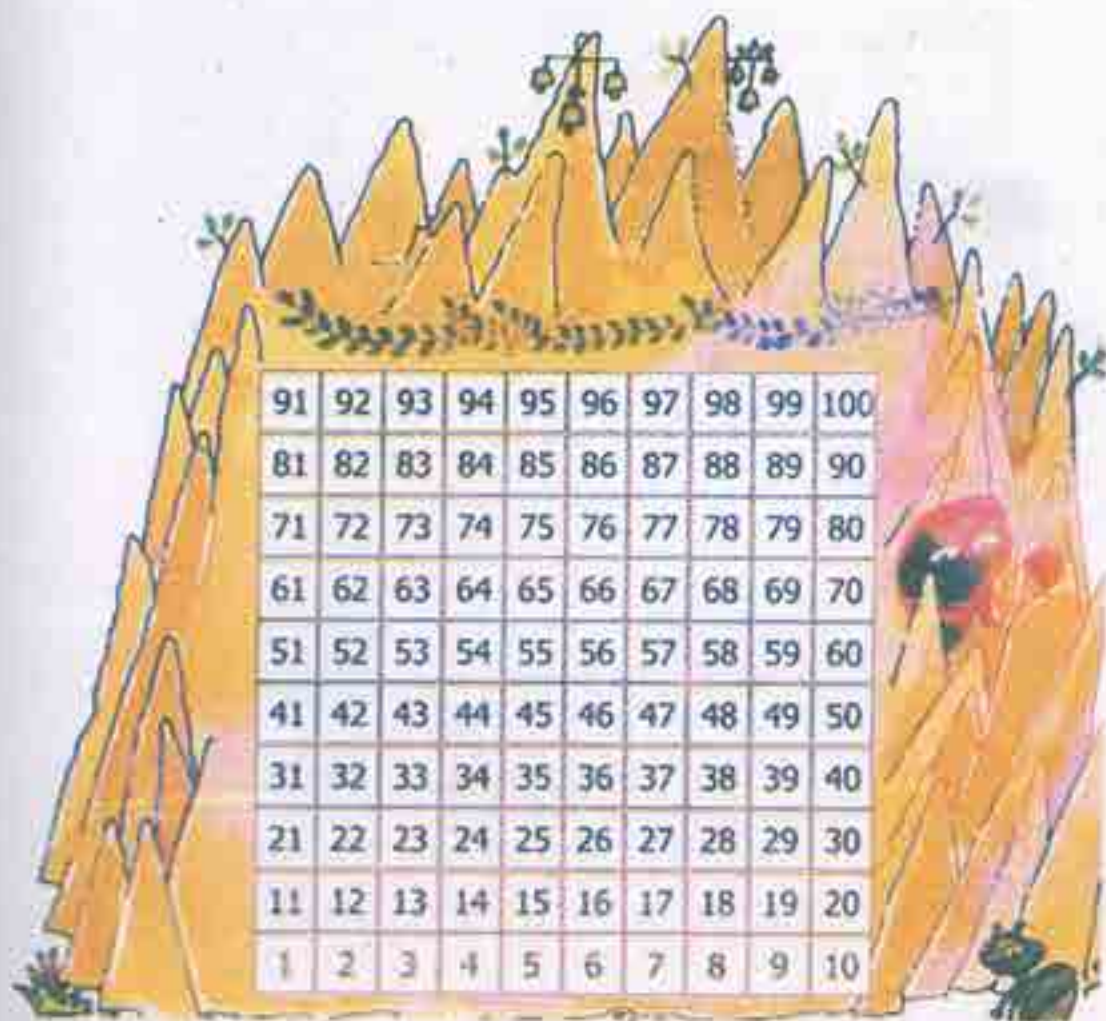
### Find My Food

Hey! I have something more interesting for you.

Amma told me, there are things to eat in some rooms.

Help me find those room numbers. Mark them in my home.

See what you get!





E.g.,  $47 = 37 + 10$

$37 + 9 = \square$

Is there a shortcut to do this?



$62 + 30 = \square$



Will it be easier to go to  $46 + 30$  first?

$\square = 46 + 28$



Similarly how will you do this?

$\square = 87 - 14$

$62 - \square = 43$

$36 = \square - 8$

$45 + \square = 99$

$43 + \square = 74$

$\square + 26 = 75$

$100 = \square + 50$

$\square - 1 = 1$

$57 - \square = 20$



### Adding Made Easy

Jyoti bought apples for 37 rupees.

Raja bought bananas for 21 rupees. The woman selling fruits

said:

said:

37 is 30 and 7

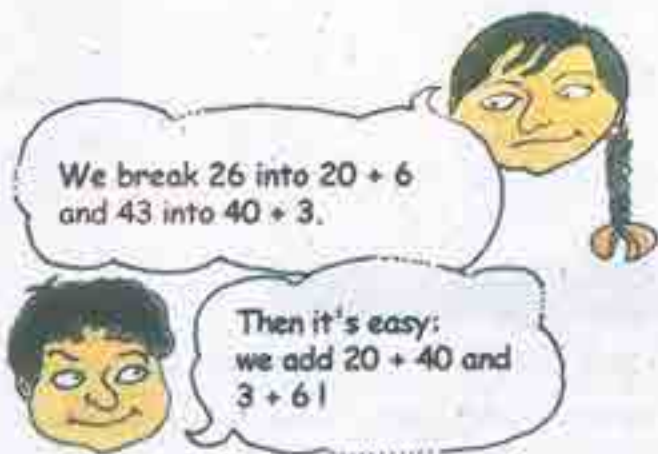
21 is 20 and 1

So 37 and 21 make 58.



Let us also try. Look at this sum.

26	+	43					
20	+	6	+	40	+	3	
20	+	40	+	6	+	3	
60	+	9					
69							



The answer is 69

Can you do it another way? Say how.

$$\begin{aligned}
 33 + 56 &= 30 + 3 + 50 + 6 \\
 &= 80 + 3 + 6 \\
 &= 80 + 9 = 89
 \end{aligned}$$

See if you can do the same with these sums.

$$37 + 22 = 30 + 7 + 20 + 2$$



$$= \boxed{\phantom{00}} + \boxed{\phantom{00}} + \boxed{\phantom{00}}$$



$$= \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

$$73 + 24 = \boxed{\phantom{00}} + \boxed{\phantom{00}} + \boxed{\phantom{00}} + \boxed{\phantom{00}}$$

$$= \boxed{\phantom{00}} + \boxed{\phantom{00}} + \boxed{\phantom{00}} + \boxed{\phantom{00}}$$

$$= \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

### Maths & Story

Use a pair of dice (or ten marbles/marbles). Keep a different coloured button for each player. If you reach a mango you go forward (+). If you step on a chilli you have to go back (-). See who reaches back home first!

$$\begin{aligned}
 56 + 21 &= \boxed{\phantom{00}} + \boxed{\phantom{00}} + \boxed{\phantom{00}} + \boxed{\phantom{00}} \\
 &= \boxed{\phantom{00}} + \boxed{\phantom{00}} + \boxed{\phantom{00}} \\
 &= \boxed{\phantom{00}} + \boxed{\phantom{00}} = \boxed{\phantom{00}}
 \end{aligned}$$

$$56 + 21 = 56 + 20 + 1$$

$$= 57 + 20$$

$$= 77$$

Aha!

I can do it this way also!



Now work out the steps in your mind.

Write the answers directly in the boxes.

$33 + 42 = \boxed{\phantom{00}}$



$= 33 + 27$

$55 + 25 =$



$19 + 61 = \boxed{\phantom{00}}$



$= 34 + 63$

$67 + 25 =$



$\boxed{\phantom{00}} = 48 + 42$



$= 53 + 64$

$72 + 56 =$





### Let Me Tell You a Story.....

Once a baby lion lost his way in the jungle. He started crying and called out for his mother. An old deer took pity on him. He took him to his place. But the other deer got really scared. So did their other friends — rabbits, squirrels and birds. A lion among us! Oh, no! He will eat up our babies. The old deer said — don't worry. I will warn him about this. In the morning the baby lion thanked every one and started to leave, But a rabbit said — wait, he cannot go like this! Let us count to see if he has done any mischief. We should be 240 in all. Let's count.



Tillu counted rabbits and deer.

There were 27



and 48



The old deer counted birds and squirrels.

There were 124



and 38



In the chapter Fun with Numbers, children would have made token cards. The same token cards should be used for exercises in addition before children do written sums.



Let's add and find out how many deer and rabbits were there...

Number of



10 

4 8

10 10



Number of



+

2 7

10 10



10 

4 8

10 10







+

2 7

10 10



5

Putting all the s together  
we get fifteen   
Ten s make 10 and  
we are left with five s



10 

4 8

10 10



+

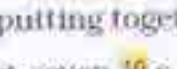
2 7

10 10



7 5

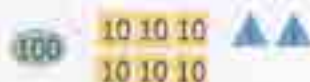
10 10



Now putting together all the 10s,  
we get seven 10s

So total number of  and  = 75

✚ Similarly we add the number of birds and number of squirrels.



So together birds and squirrels were 162,

and deer and rabbits were 75

The old deer said – we were 240 in number, now how many are we in all

Can you guess now,  
if the baby lion will go back home?  
Has the baby lion eaten up any animal?



To find out, do the addition in the box below:

Number of  and   
Number of  and 



## How Many Bulbs?

1. A factory makes 270 bulbs on the first day.

On the second day it makes 123 bulbs.

How many bulbs does the factory make altogether?



First day – 270 bulbs



Second day - 123 bulbs



How many  
altogether?

$$270 + 123$$

Is the sum more than  
350

or less than 350?

I think...

270 and 100 is 370

The sum is more than  
350.

Solution:

Bulbs made  
on first day

Bulbs made on  
second day

Sum

100	10	▲
2	7	0
1	2	3
3	9	3





2. A shopkeeper Rafi had 153 candles. Mushtaq gave him 237 more candles. How many candles does Rafi have now?



$$237 + 153 = ?$$

Is the sum more than 400 or less than 400?



Solution:

	100	10	▲
	2	3	7
+	1	5	3
Sum			

Work out the following story problems in the same way.

Read each problem and say it in your words.

Guess the answer before writing it.

- A. A train compartment is carrying 132 people. Another compartment is carrying 129 people. In all, how many people are there in both the compartments?



- B. Shanu found 138 pebbles.  
Karim found 44 pebbles.  
How many pebbles did they find in all?



$$\begin{array}{|c|c|c|}
 \hline
 100 & 10 & \triangle \\
 \hline
 1 & 3 & 8 \\
 \hline
 + & 4 & 4 \\
 \hline
 & & \\
 \hline
 \end{array}$$

- C. A teacher kept a note of which fruits students like in her school. This is what she found:

Students	Oranges	Mangoes	Total
Girls	136	240	
Boys	128	243	
Total			



Find out:

- How many students in the school like oranges?
- How many students in the school like mangoes?
- Altogether, how many students are there in the school?
- Is the number of girls more than 350 or less than 350?



### Practice Time



A. (i)  $345 + 52$

(iv)  $643 + 345$

(ii)  $492 + 29$

(v)  $750 + 219$

(iii)  $245 + 93$

B.  $319$

$804$

$363$

$+ 823$

$+ 406$

$+ 456$

$427$

$684$

$+ 248$

$+ 232$

PuZZle

Addition is my best friend

We never have a fight

When I am done

Call out to him

And check if I am right

### MIND TRAIN GAME :

Two friends play this game. You look at each train. Some people come in (+) and some leave (-). How many are there in all? Solve in your MIND! Discuss your answer. The friend who gets the right answer first wins some points. List down your points. Add to find who wins the most!



Work out four different ways to write the numbers.



If you add all the numbers in the first box, you will always get 59.

59
$50 + 9$
$30 + 29$
$19 + 40$
$59 + 0$

78
+
+
$30 +$
+

83
+
$+ 43$
+
+

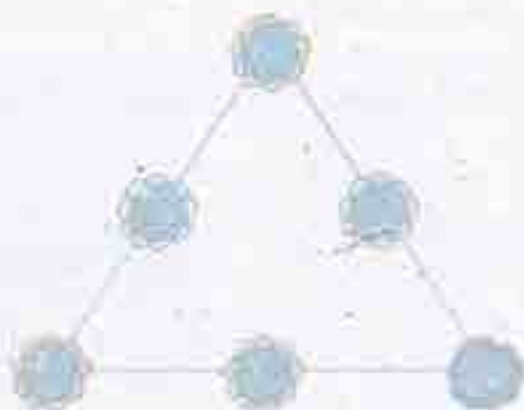
99
+
$+ 39$
+
+

102
+
+
+
$+ 50$

168
+
+
$+ 68$
+

Can You Solve this **ZZZ**?

Write the numbers 1, 2, 3, 4, 5, 6 in the circles, so that the sum of the numbers on each side of the figure is 12.



### Find Mithoo's Bag

Do all the sums mentally:



a)  $75 + 20 =$

95

g)  $670 + 120 =$

b)  $90 + 60 =$

150

h)  $380 + 210 =$

c)  $25 + 30 + 3 =$

i)  $205 + 650 =$

d)  $9 + 40 + 31 =$

j)  $128 + 600 =$

e)  $500 + 200 =$

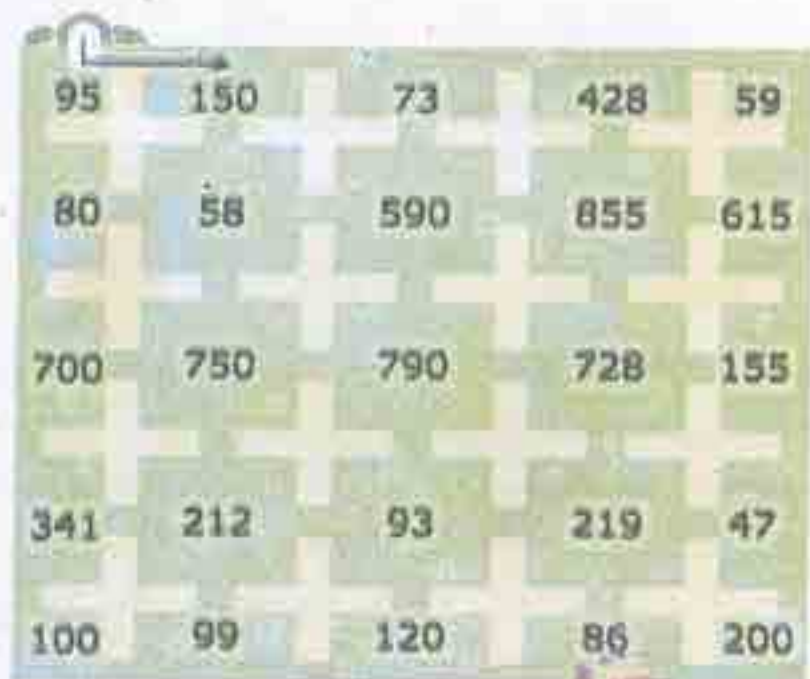
k)  $150 + 69 =$

f)  $400 + 350 =$

l)  $37 + 46 + 3 =$

Find Mithoo's bag  
and check your  
answers.

Draw a line  
through the  
numbers which  
are answers  
written in the  
boxes above.



## Card Game

One day Bubbly and Gopal were playing. Bubbly gave three number cards to Gopal. He arranged the cards in two ways.

Can you arrange these cards other than these two ways?



Bubbly arranged them this way:

$$120 + 30 = 150$$

$$30 + 120 = 150$$

You can also play it. Here are the cards for you. Work out the combination. Place the cards in the right boxes.

a)

50		70		20
	+		=	
	+		=	

50		20		70
	=		=	
	=		=	

b)

30		42		12
	+		=	
	+		=	

30		42		12
	=		=	
	=		=	