# Lesson 3 ADDITION

and          add to

| 4 | + | 3 | = | 7 |

**4 and 3 add to 7**

| 5 | + | 4 | = | |

**5 and 4 add to 9**

| | + | | = | |

**3 and 2 add to 5**

|  |  |  |  |  |
|---|---|---|---|---|
| [   ] | + | [   ] | = | [   ] |

| [ .............. ] | and | [ .............. ] | add to | [ .............. ] |
|---|---|---|---|---|

|  |  |  |  |  |
|---|---|---|---|---|
| [   ] | + | [   ] | = | [   ] |

| [ .............. ] | and | [ .............. ] | add to | [ .............. ] |
|---|---|---|---|---|

## Now Add these

| | | |
|---|---|---|
| 3 + 2 = [   ] | 6 + 2 = [   ] | 8 + 1 = [   ] |
| 2 + 3 = [   ] | 2 + 6 = [   ] | 1 + 8 = [   ] |
| 5 + 2 = [   ] | 4 + 4 = [   ] | 7 + 2 = [   ] |
| 2 + 5 = [   ] | 5 + 3 = [   ] | 2 + 7 = [   ] |
| 4 + 3 = [   ] | 7 + 1 = [   ] | 5 + 4 = [   ] |
| 3 + 4 = [   ] | 3 + 5 = [   ] | 4 + 5 = [   ] |

# Read and understand.
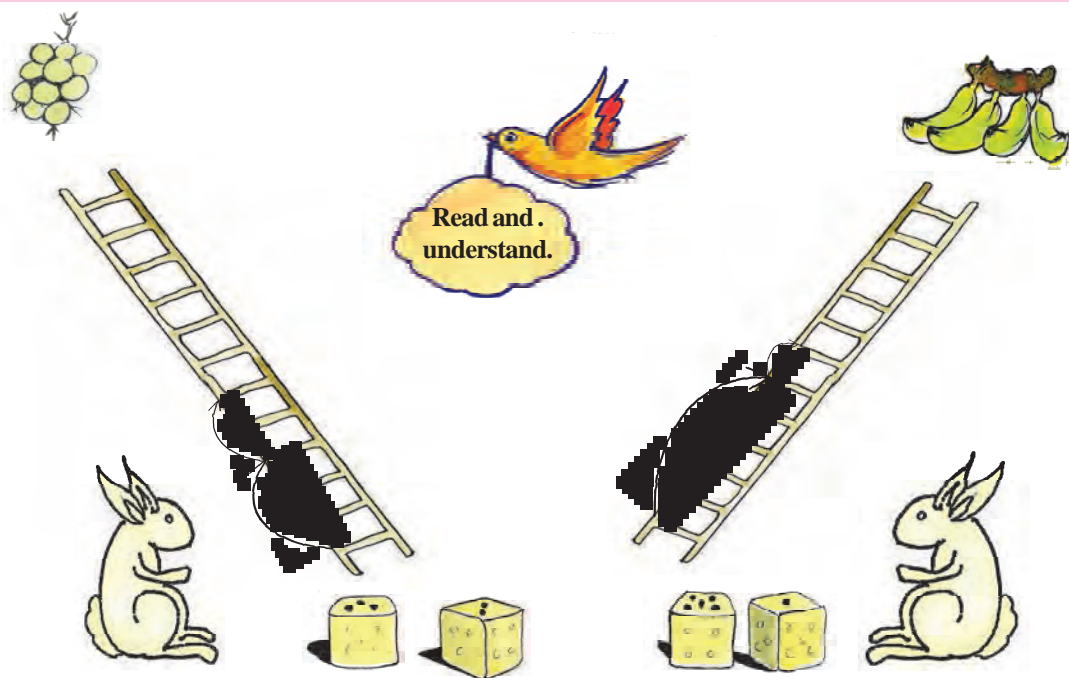


Sonu and Monu were playing with a pair of dice. They climbed as many steps on the ladder as the number shown on the dice. Sonu got 3 and 2, so he climbed 3 and then 2 steps. Monu got 5 and 1. Both began fighting Sonu said, " We both are equal—one of your dice has a large number and one of my dice has a larger number." Monu said, "But, the sum of numbers on my dice is more than yours". He coloured the blocks. Monu coloured 5 blocks and then 1, and said to Sonu, " You would have only 5 coloured blocks, while I have 6". Play this game with your friends,colour the boxes and find out who gets highest total?



You can make more such boxes in your notebook and play the same.

# How many did each pick?



Make a group with four of your friends. Collect some pebbles from out side. Each child should pick up pebbles from the heap of pebbles with her eyes shut. Now count the number of pebbles each one has picked up.

How many pebbles did the first child pick?    =    ☐

How many pebbles did the second child pick? =    ☐

How many pebbles did the third child pick?    =    ☐

How many pebbles did the fourth child pick?  =    ☐

How many pebbles do the first and second child have altogether?

☐    +    ☐    =    ☐

How many pebbles do the third and fourth child have in all?

☐    +    ☐    =    ☐

How many pebbles do all four children have with them?

☐    +    ☐    =    ☐

Put the pebbles back in the pile. Again pick pebbles from the pile. count and fill the new table.

## How many with each person?

Divide the children in groups of 4. Count and write the number of notebooks and textbooks you have. The number of textbooks and notebooks belongs to a child is given below. Similarly write down the number of textbooks and notebooks you have.

| | Name | Notebooks | Textbooks |
|---|---|---|---|
| | Rakesh | 7 | 9 |
| Your Name | | | |
| First Friend | | | |
| Second Friend | | | |
| Third Friend | | | |
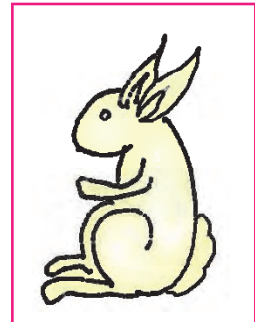
How many notebooks and textbooks do you have in all?    =

How many notebooks and textbooks does _____have?=

How many notebooks and textbooks does _____have?=

How many notebooks and textbooks does _____have?=

How many notebooks are there in the group in all?   =

How many textbooks are there in the group in all?   =

How many textbooks and notebooks are there in your

group in all?                                               =

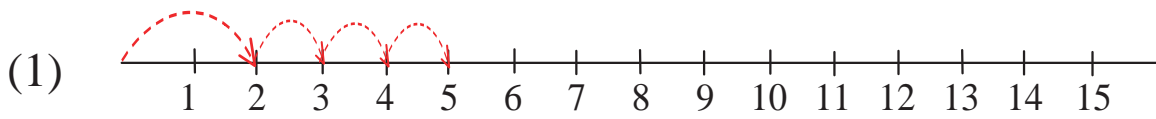Do the same with other things as well.

## How do we solve this?

1.  You have 4 flowers. Rashmi gives you 2 more flowers. How many flowers do you have in all?

2.  Rani had 12 garlands. Raja gave her 7 more garlands. How many garlands does Rani have altogether?
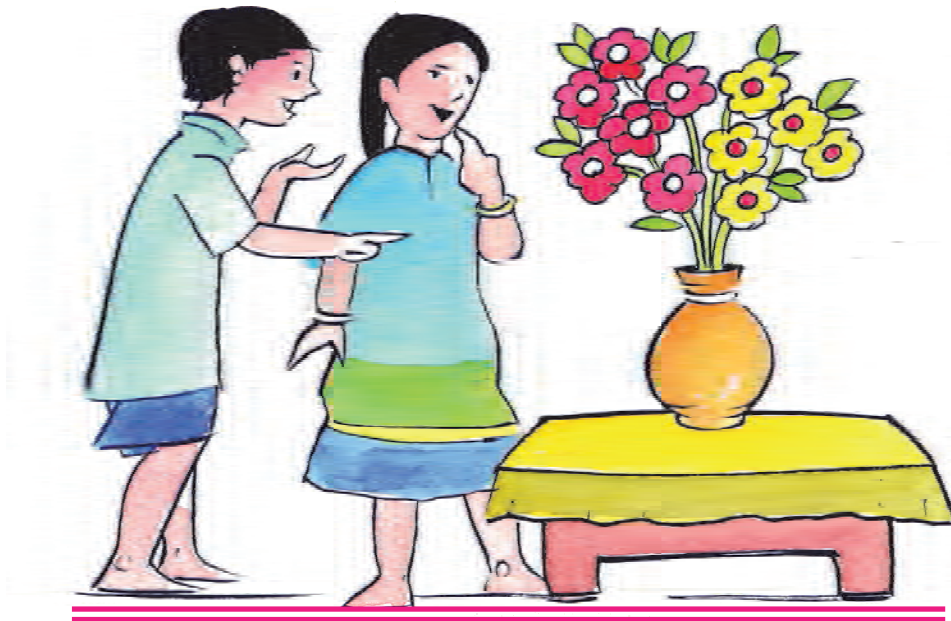


3.  A vase has 6 red flowers and 5 yellow flowers. How many flowers are there in the vase?

4.  Anita is wearing 8 bangles on one hand and 6 on the other hand. How many bangles is Anita wearing in all?

5.  Class two has 8 old mats, and 5 new mats. How many mats are there in the class altogether?

6.  Sumit had Rs. 4 and Saurabh had Rs. 6. Each of them got another Rs. 3. How much money does each have now?

7.  Meena had 5 toys and Surbhi had 3 toys. Each of them received 2 more toys. How many toys do the two have now?

# Addition on the number line.
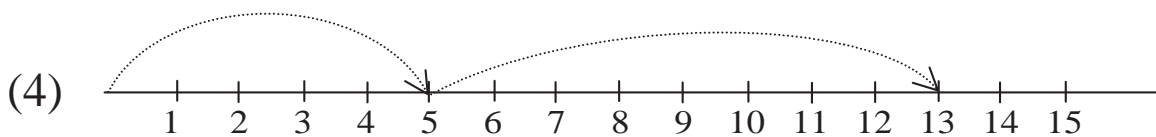
(1)

$2 + 3 = 5$           $3 + 2 = 5$

(2)

$5 + 4 = 9$           $4 + 5 = 9$
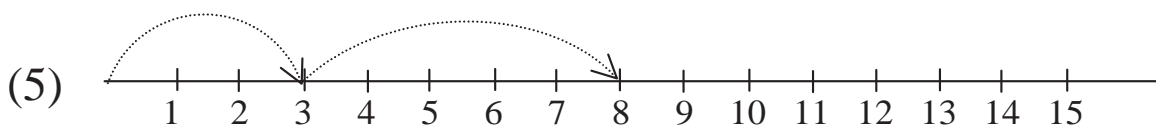
(3)

$7 + 4 = 11$           $4 + 7 = 11$

(4)
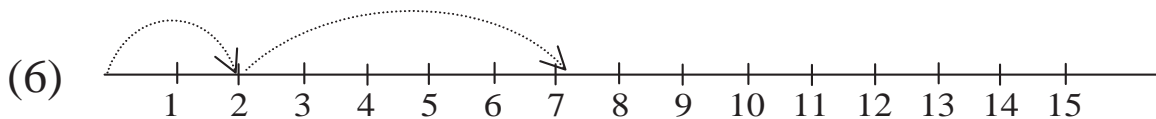
$5 + 8 = 13$           $8 + 5 = 13$

(5)
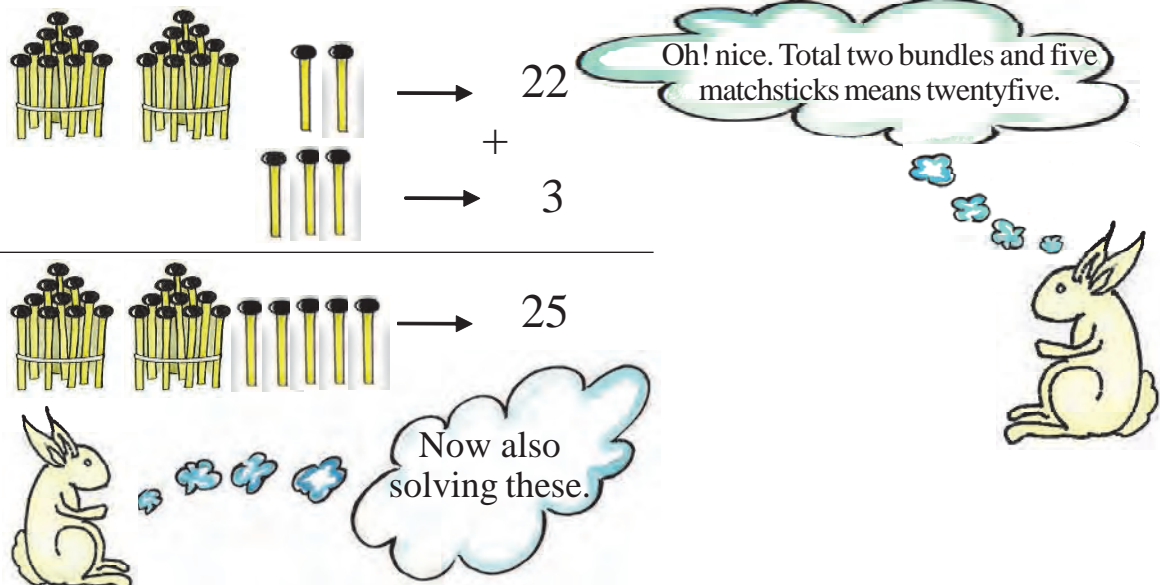
$\square + 5 = 8$           $\square + \square = \square$

(6)

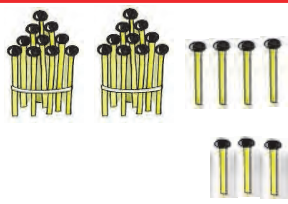$\square + \square = \square$           $\square + \square = \square$

22
+
3

25
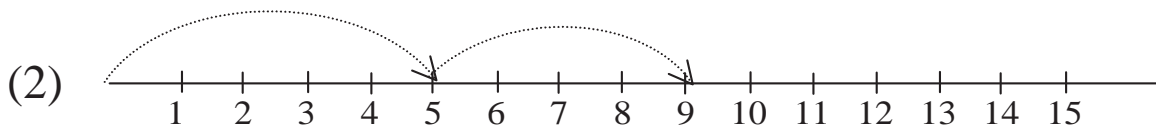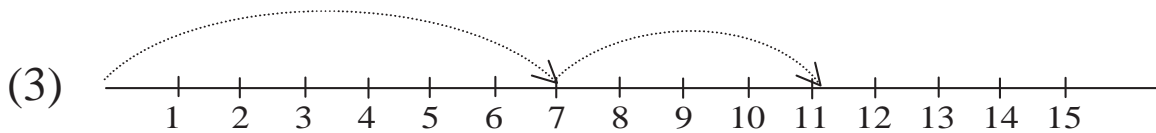
Oh! nice. Total two bundles and five matchsticks means twentyfive.
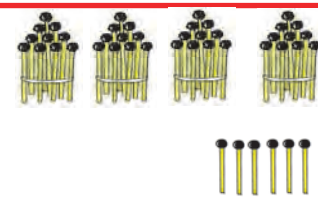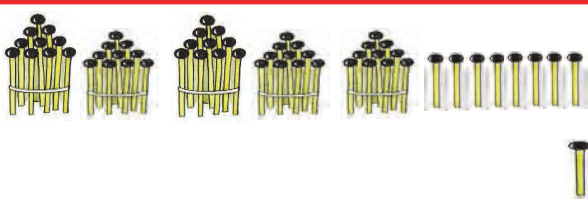
Now also solving these.

$\longrightarrow$ $\square$
+
$\longrightarrow$ 3

$\longrightarrow$ $\square$

$\longrightarrow$ $\square$
+
$\longrightarrow$ $\square$

$\longrightarrow$ $\square$

$\longrightarrow$ $\square$
+
$\longrightarrow$ $\square$

$\longrightarrow$ $\square$

## Solve these

Add 46 and 3    Tens  Ones

Add 72 and 26    Tens  Ones

Add62 and 7    Tens Ones

Add 30 and 20   Tens Ones

Add 23 and 6   Tens Ones

Add 35 and 3   Tens Ones
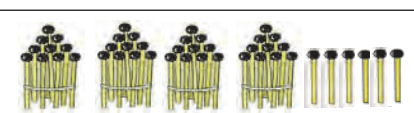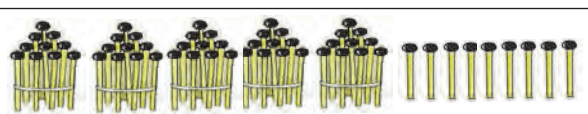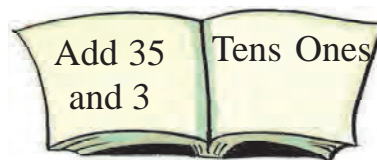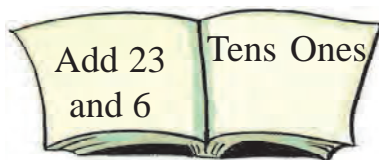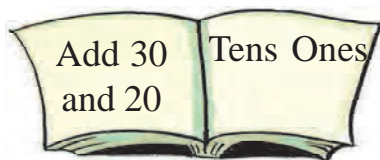
## Some more sums

Ones = O
Tens = T

```
T-O-
4 0
+1 0
____
```

```
T-O-
3 2
+ 2 4
____
```

```
T-O-
5 7
+ 3 1
____
```

```
T-O-
4 0
+2 3
____
```

```
T-O-
3 0
+ 2 8
____
```

```
T-O-
3 2
+2 4
____
```

```
6 4
+  5
____
```

```
2 0
+  4
____
```

```
5 3
+  6
____
```

```
7 1
+  8
____
```

```
1 3
+  3
____
```

```
9 8
+  1
____
```
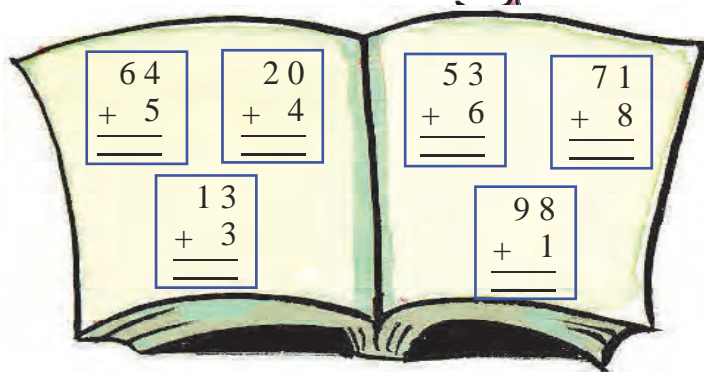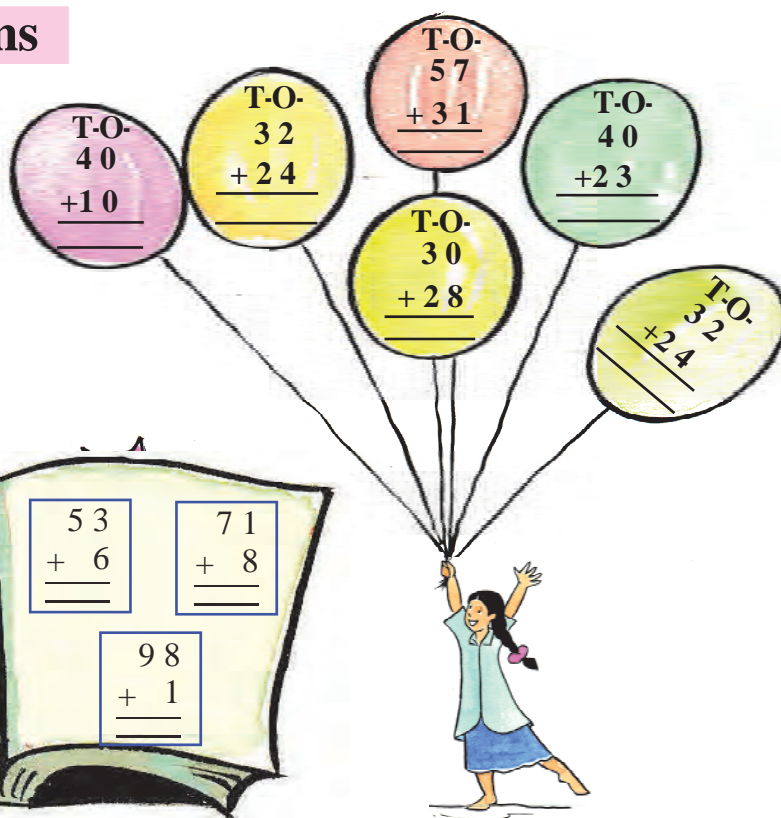
Make more sums of this kind and solve them.

# Word problems

1.  Lalita needs 25 seeds for her game. Sheila needs 22 seeds to complete her picture. How many seeds do they need in all?

2.  Tara gave 12 pencils each to 2 children to distribute. How many pencils in all she gave to distribute?

3.  Rahul had 10 toys. His aunt gifted him 3 more toys. How many toys does Rahul have now?

4.  Kamla has 15 mango and 8 banana trees in her orchard. How many trees are there in all?

5.  Ghisa had 17 cows. He bought 13 more cows. How many cows does he have in all now?

6.  There are 8 roses on a rose plant. Another plant has 12 roses. How many roses are there in all?

7.  There were 45 students in a school. 12 more students were admitted. How many children are enrolled in the school now?

8.  Sethji had 12 kilos of sugar in his shop. He bought 17 kilos of sugar more. How much sugar does he have in his shop now?

9.  One fruit seller has 25 kilos of cheeku, 12 kilos of mango and 7 kilos of apples. How many kilos of fruits does the seller have now?

Solve these problems as well.

1.  33 + 45  =  ☐
2.  12 + 27  =  ☐
3.  21 + 7   =  ☐

4.     35
    + 42
    ———

5.     31
    + 40
    ———

6.     20
    + 13
    ———

Make more questions of the same kind and solve them.
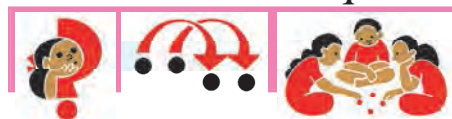
# Chatku and Matku

Chutku, I have fourteen berries, ten placed in a bag and four kept separately

I have nine berries, Matku. you can keep them as well.

How many will there be altogether?

Let us think

We can make one more bag of ten berries from this pile. Three berries will remain.

This bag already has ten berries. Beside these I have four berries and you have given me nine berries.

Ten and ten make twenty, and three more, which is twenty-three. Fourteen and nine together make twenty-three berries.
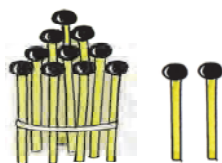
# Bundles and matchsticks

=    12

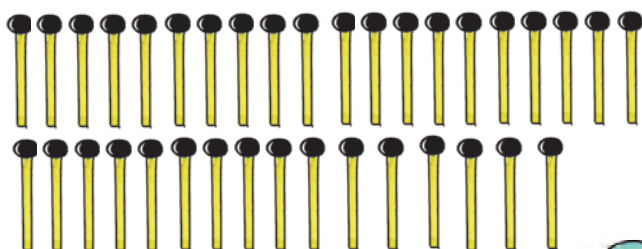Make a bundle of 10 matchsticks.

=    10 + 2
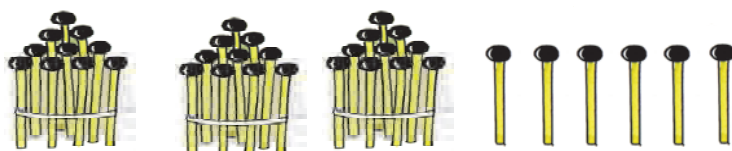
1  bundle of 10 matchsticks    =    1 ten

2  matchsticks                 =    2 ones

"I will try this as well"

"3 bundles of 10 each, and 6 single matchsticks"

3 bundles = 3 tens =    30

6 ones     = 6 ones =  + 6

Wow!!
36 matchsticks

# Addition

I have 36 match sticks
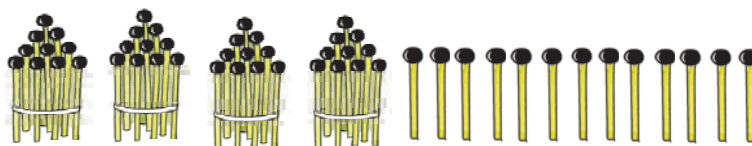
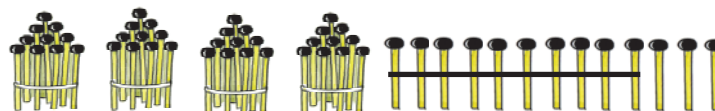I have seventeen matchsticks

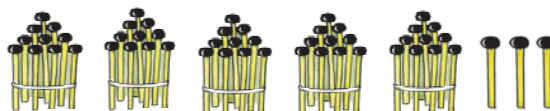How many matchsticks would be there in all ?

We have 4 bundles and 13 matchsticks in all.

A bundle of 10 can be made from the 13 matchsticks.

Earlier we had four bundles, now we have another bundle we can put it with four bundles. Now we have 5 bundles and 3 matchsticks left behind.
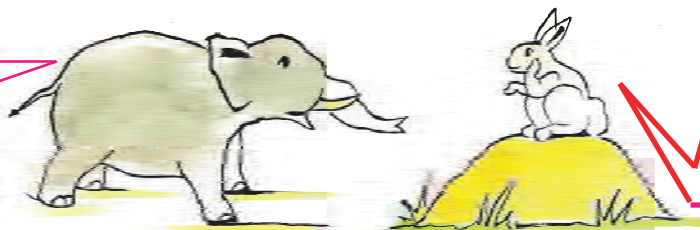
This can also be written as follows:
(We know that a bundle refers to *tens* and loose sticks refers to *ones.*)

(1)
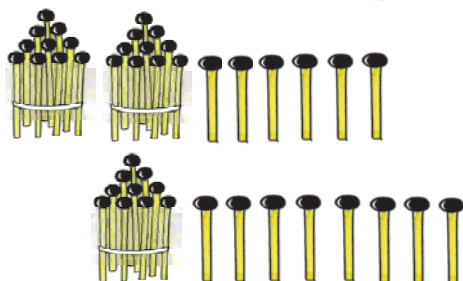| t. | o. |
|----|----|
| 3  | 6  |
| + 1 | 7 |
| 4  | (1)3 |
| 5  | 3  |

4 tens + 13 ones = 4 tens + 10 ones + 3 ones

= 4 tens + 1 tens + 3 ones

= 5 tens + 3 ones

Cheeku, can you add 26 and 18?

Yes, I can Appu.

$$
\begin{array}{cc}
 & \text{T. O.} \\
(1) & 2\ \ 6 \\
+ & 1\ \ 8 \\
\hline
3 & (1)\ 4
\end{array}
\qquad
\begin{array}{cc}
\text{T. O.} \\
2\ \ 6 \\
+\ \ 1\ \ 8 \\
\hline
4\ \ 4
\end{array}
$$

$$
\begin{array}{r}
3\ \ 9 \\
+\ \ 2\ \ 0 \\
\hline
\ \ \square \\
\hline
\end{array}
$$
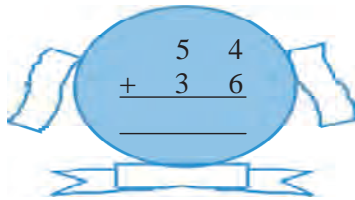
$$
\begin{array}{r}
5\ \ 5 \\
+\ \ 1\ \ 6 \\
\hline
\ \ \square \\
\hline
\end{array}
$$

$$
\begin{array}{r}
6\ \ 0 \\
+\ \ 2\ \ 8 \\
\hline
\ \ \square \\
\hline
\end{array}
$$
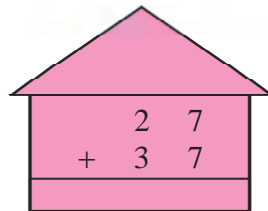
$$
\begin{array}{r}
3\ \ 5 \\
+\ \ 2\ \ 5 \\
\hline
\ \ \square \\
\hline
\end{array}
$$

$$
\begin{array}{r}
7\ \ 4 \\
+\ \ 1\ \ 8 \\
\hline
\ \ \square \\
\end{array}
$$
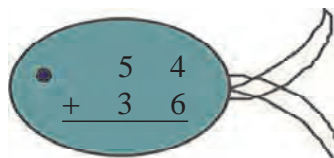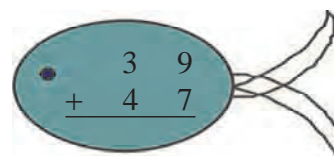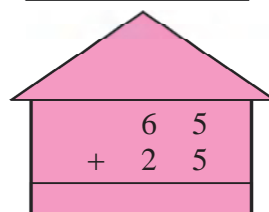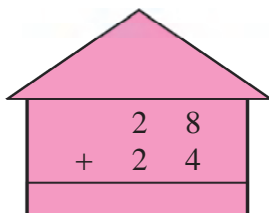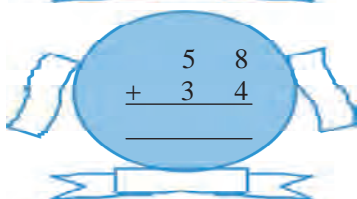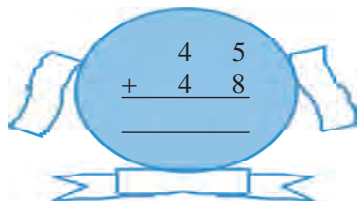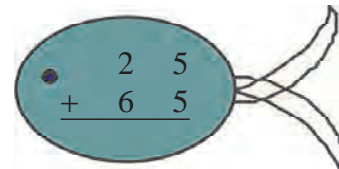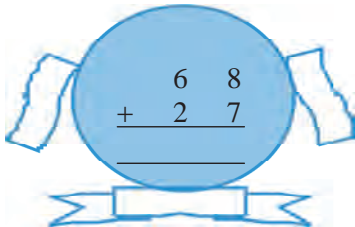
$$
\begin{array}{r}
4\ \ 5 \\
+\ \ 4\ \ 8 \\
\hline
\end{array}
\qquad
\begin{array}{r}
2\ \ 8 \\
+\ \ 2\ \ 4 \\
\hline
\end{array}
\qquad
\begin{array}{r}
3\ \ 9 \\
+\ \ 4\ \ 7 \\
\hline
\end{array}
$$
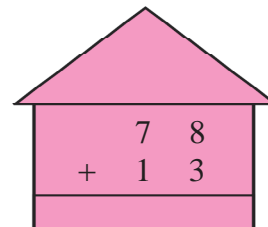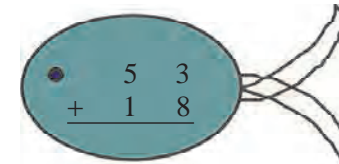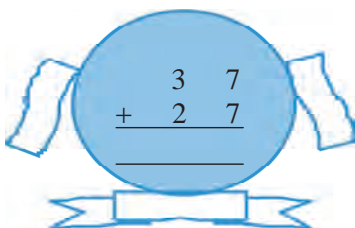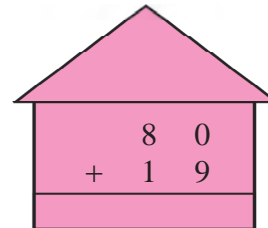
$$
\begin{array}{r}
5\ \ 8 \\
+\ \ 3\ \ 4 \\
\hline
\end{array}
\qquad
\begin{array}{r}
6\ \ 5 \\
+\ \ 2\ \ 5 \\
\hline
\end{array}
\qquad
\begin{array}{r}
5\ \ 4 \\
+\ \ 3\ \ 6 \\
\hline
\end{array}
$$

```
    5   4
+   3   6
_____
```

```
    2   7
+   3   7
```

```
    2   5
+   6   5
```

```
    6   8
+   2   7
_____
```

```
    7   8
+   1   3
```

```
    5   3
+   1   8
```

```
    3   7
+   2   7
_____
```

```
    8   0
+   1   9
```

```
    6   5
+   2   5
```
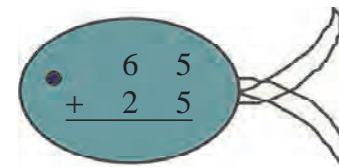
Make more such questions and solve them. Which question did you find toughest?

## Some more questions

1.  Anil has 25 balls. Ramesh gave him 13 more balls. How many balls does Anil have now?

2.  Sanjay had 18 guava trees and 23 lemon trees in his garden. How many trees are there in all?

3.  There were  32 people seated in a bus. 10 more people join them. How many people are seated in the bus now?

4.  A flower bed has 26 plants, while another has 35 plants. How many plants are there in the two beds together?

5.  Ramu took 25 goats and 15 sheep for grazing. How many animals did he take altogether?

6. Sushila bought apples for Rs. 68 and bananas for Rs. 44. How much money did he spend on buying fruits?

7. Rajiv bought a football for Rs. 20. He now has Rs. 10 left over. How much money did he have to begin with?

8. Sudhir has 15 plates, while Rajendra has 20 plates. Each of them received 10 each. How many plates does each have now?

## Snakes and Ladders



Play the game of snakes and ladders and answer the questions given below.

1. If you are on number 5 and you want to move to 10, then what number should you get on your dice?

2. If you are on number 3, and you get 5 on your dice, where would you reach? And how many numbers do you gain as a result of that?

3. You are on 44 and your dice shows 2. Where will you reach? How many blocks behind would you reach?

```
    9
  1 3
+   5
_____
```

```
    2
  2 3
+   4
_____
```

```
3 +35 +11 =

3+35+11=
```

```
4+12+23=
```

```
    6
  1 0
+ 2 0
_____
```

```
  1 3
  2 1
+ 3 5
_____
```

```
  2 2
  3 3
+ 4 5
_____
```

```
20+30+40=
```

```
  1 5
  3 0
+ 4 4
_____
```

I have 14 flowers

I have 22 flowers
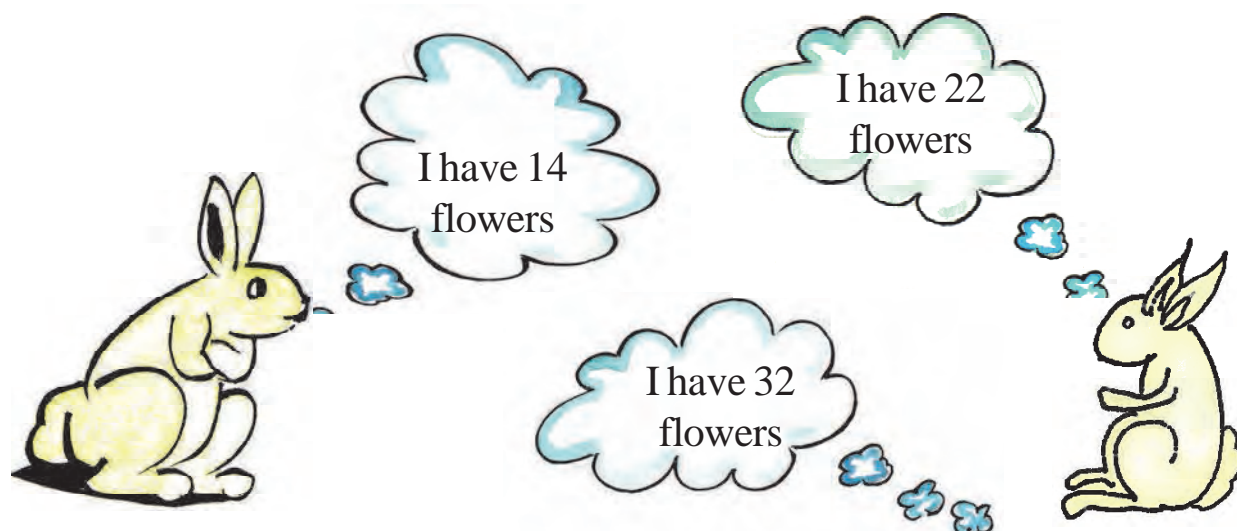
I have 32 flowers

Continue playing this game. Make similar questions and solve them.

## Add these as well.

How many flowers do these three have altogether?

```
     14   flowers
     22   flowers
+    32   flowers
─────────────────
     68   flowers
─────────────────
```

1.  An orchard has 45 guava trees, 23 apple trees and 31 pomegranate trees. How many trees exist in all?
2.  A tailor sews 20 shirts, 31 trousers and 46 kurtas. How many clothes does he stitch in all?
3.  Raju bought toys for Rs. 30, books for Rs. 40 and toffees for Rs. 10. How much money did he spend totally?
4.  There were 24 men, 18 women and 11 children who were seated in a garden. How many people were seated in the garden in all?
5.  A basket has 51 red balls, 35 yellow balls and 22 blue balls. How many balls are lying in the basket altogether?
6.  Sunita solved 13 questions on the first day, 18 questions on the second day and 21 questions on the third day. How many questions did Sunita solve altogether in three days?