Lesson 3 Addition and Subtraction - I

Add and fill the given boxes with that many pictures.





How many bundles and matchsticks? 12 matchsticks One bundle of 10 matchsticks = 1 ten 10 ł and 2 matchsticks 2 ones 2 =+12 Three bundles of 10 matchsticks 3 ten 30 \equiv and 6 matchsticks 6 ones + 6 =36 Add and Say (1)25 20 5 =+=0 = +=(3) 29 = +=(4)= +=(5)+==(6) +==







How many are left?



27 —	17	=	10
		-	

Now try these:

Initially we had	18
Took away	6
How many left	12

Initially we had	
Took away	
How many left	

ł	





Took away	
How many left	

Initially we had

Initially we had	
Took away	
How many left	



You can use bundles and matchsticks to solve the given sums.

Maths-3

Fill in the blanks

(1)	16 + 25 =		(2)	38 - 38 =		
(3)	— 50	= 34	(4)	+ 34	= 96	
(5)	64 +	= 86	(6)	44 + 24 =		
(7)	52 —	= 50	(8)	75 —	= 0	
Fin	d and Solve					
	First	Second	Third	Fourth	Fifth	
F	CCCCC	Subsy .	TTTTT -	TTTTT	TTTTT	
(10	45	92	80	79	
	15	8	75	64	47	
	32	55	84	20	51	
	44	69	95	26	23	
	60	9	25	100	19	
C						

- 1. Find two numbers in the first pillar, which add to give 75.
- 2. From the second pillar subtract the smallest number from the largest.

3. From the third pillar find the numbers, which are greater than 90 and add them.

- 4. Write the difference between the topmost and the lowermost number in pillar four.
- 5. By how much is the first number of pillar one smaller than the first number of pillar two?

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- 6. Find the difference between the first number on third pillar and second number on the fourth pillar.
- 7. Encircle those numbers on the fifth pillar which have 9 in the ones place.Add these numbers.
- 8. What should be added to the first number on the fourth pillar to get 100?
- 9. Add those numbers on the second pillar, which have 5 in the one's place.
- 10. Add the smallest and the greatest number on the fifth pillar.

Counting Chart

										Oga an
1	11	21	31	41	51	61	71	81	91	NT3.
2	12	22	32	42	52	62	72	82	92	ALL
3	13	23	33	43	53	63	73	83	93	
4	14	24	34	44	54	64	74	84	94	
5	15	25	∢-35 →	45	55	65	75	85	95	
6	16	26	36	46	56	66	76	86	96	
7	17	27	37	47	57	67	77	87	97	
8	18	28	38	48	58	68	78	88	<i>9</i> 8	
9	19	29	39	49	59	69	79	89	99	
10	20	30	40	50	60	70	80	90	100	

In the chart see and answer the following

1.	Which Number is one box below 35?	
2.	By how much is this number greater than 35?	
3.	Which number is two boxes below 35?	
4.	By how much is this number greater than 35?	

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5.	Find the number, which is three boxes below 35?
6.	What is four boxes below 35?
	Do this with different numbers in the chart.
	As you move down in the counting chart, the number of unit's increases.
Now	let us go above the number 35
1.	Which number is just above 35?
2.	By how much is this number smaller than 35? ————
3.	What number is two boxes above 35?
4.	By how much is this number smaller than 35?
5.	Find what number is three boxes above 35?
6.	What is four boxes above 35?
	Do this with the other numbers as well.
	As you go above any particular number in the counting chart,
T .4 -	its unit digit decreases.
Let i	is see what happens when we go to the right of a given humber
1.	Which number comes in the box to the right of 35?
2.	By how much is this greater than 35? —————
3.	Which number do we get when we move three boxes to the right of 35?
4.	By how much is this number greater than 35? —————
	Do this for some other number also.
W	Then we move to the box to the right of given number, the ten's digit increases.

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Can you now say what would happen if we move to the left of a number in the counting chart?

1.	What number is there in the box just left of 35?	
2.	By how much is this number smaller than 35?	
3.	Which number do we find, when we move two	
	boxes to the left of 35?	
4.	By how much is this smaller than 35?	

Do the similar exercise with some other number also in the couting chart.

As we move towards the left of a number in the counting chart, its ten's digit goes on reducing.

Counting Chart

1	11	21	31	41	51	61	71	81	91
2	12	→ <u>22</u>	32	42	52	62	72	82	92
3	13	23	33	43	53	63	73	83	93
4	14	24	34	44	54	64	74	84	94
5	15	25	35	45	55	65	75	85	95
6	16	26	36	46	56	66	76	86	96
7	17-	→ 27	37	47	57	67	77	87	97
8	18	28	38	48	58	68	78	88	98
9	19	29	39	49	59	69	79	89	99
10	20	30	40	50	60	70	80	90	100

Let us add using the counting chart

12 + 15 = ?

15 has one tens and five units. To increase 12 by five units, we move 5 places below 12 and reach 17. Now to increase one ten in 17 we move one box to the right and reach 27.

thus 12 + 15 = 27

We can also do in this way -

To increase one ten in 12 we move one box towards its right. We reach 22. Then to increase 5 units we move 5 boxes below 22. We therefore reach 27.

In this way, 12 + 15 = 27

Add using the counting chart - 7 and 13

By moving 3 places below 7 we reach 10. Then we increase one ten by moving one box to the right of 10 and so we reach 20.

7 + 13 = 20

Do these yourself

1. 23 and 16

Move 6 places	_23 and we reach	Then one place
and we reach	. 23 + 16 =	

2. 35 and 44

Move _____ places below 35 and reach _____. Then move _____ places to the right, to reach _____. 35 + 44 = _____

3. 63 and 22

If we move 2 places ______ 63 we reach _____. Then by going ______ places towards right we reach _____.

63 + 22 = _____

4. 13 and 56

If we move ______ places below 13, we reach ______. Then five places towards right and we reach ______. 13 + 56 = ______

5. 42 and 58

If we move eight places	42 we reach	then
places towards right, we reach	. 42 + 58 =	

1	11	21	31	41	51	61	71	81	91
2	12	22	32	42	52	62	72	82	92
3	<u>13</u>	-23	33	43	53	63	73	83	93
4	14	24	34	44	54	64	74	84	94
5	15	25	35	45	55	65	75	85	95
6	16	26	36	46	56	66	76	86	96
7	17	27	37	47	57	67	77	87	97
8	18	28	38	48	58	68	78	88	98
9	19	29	39	49	59	69	79	89	99
10	20	30	40	50	60	70	80	90	100

Subtracting	with the	help of	counting of	hart

Let Us Solve 25 - 12 = ?

12 has 1 ten and 2 ones. To reduce 2 ones in 25, we move 2 places above 25 and reach 23. Now to reduce 1 ten in 23, we move one place to the left of 23 and reach 13.

In this way, 25 - 12 = 13

In this example, if we move one place towards left first and then 2 places above upwards, would we yet reach 13? Find out.

Let Us Do These

(1) 65 - 31 =

Move 1 place above 65 and 3 places towards left.

(2) 39 - 30 =

Move 3 places towards left of 39.

(3) 78 - 66 =

Move 6 places above 78 and 6 places towards left.

(4) 89 - 7 =

Move 7 places above 89.

Subtract using the numbers given in the chart

 1.
 $29 - 9 = \dots$

 2.
 $97 - 17 = \dots$

 3.
 $42 - 30 = \dots$

 4.
 $45 - 32 = \dots$

 5.
 $50 - 40 = \dots$

 6.
 $73 - 38 = \dots$

 7.
 $67 - 25 = \dots$



Make more sums along with your friends. Use the chart for adding and subtracting these sums.

Let Us find Something New

1	11	21	31	41	51	61	71	81	91
2	12	22	<u></u> 32	42	52	62	72	82	92
3	13	23	33	43	53	63	73	83	93
4	14	24	34	44	54	64	74	1 ⁸⁴	94
5	15	25	35	45	55	65	1 ^{75′}	85	95
6	16	26	36	46	56	66′	76	86	96
7	17	1 ²⁷	37	47	57	67	77	87	97
8	18 [′]	28	38	48	58	68	_78	88	98
9 ′	19	29	39	49	59	69	79	89	99
10	20	30	40	50	60	70	80	90	100

1. Move along the line 11, 22, 33 and so on. By how much is the number increasing each time?

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- 2. Move along the line79, 68, 57 and so on. By how much is the number reducing each time? What will be the next numbers?
- 3. Some more series is shown using arrow marks in the chart. Find by how much is the number increasing or decreasing each time. Find the next number in each series.

Solve these :

- 1. There were 74 guavas in Ramu's shop. He sold 45 guavas in a day. How many guavas are left with him?
- 2. Deepa got 42 marks in Language and 46 marks in Mathamatics. How many marks did she get together in these two subjects?
- 3. Samaru made 50 bundles of Tendu Patta on the first day and 34 bundles on the second day. So in these two days, how many bundles did he make?
- 4. A box can hold 99 apples. There are 60 apples in it. How many more apples can be put in the box?
- 5. Mohan had Rs. 70 and Meeta had Rs. 62. How much more money does Mohan have than Meeta?
- 6. Hemvati has 45 rupees and Sangeeta has 22 rupees. If Hemvati gives her money to Sangeeta, how much would Sangeeta have?
- 7. After giving 15 rupees to Annu, father had 35 rupees left with him. How much did he have initially?
- 8. There was 32 kilograms of rice in a sack. It can hold 18 more kilograms of rice. Find how many kilograms of rice can the sack hold?
- 9. By adding how much to 55 would you get 92?
- 10. Which number would you get by adding the largest one digit number and the smallest two digit number?

46 **You also make some word problems**

You have solved the word problems given in your book. Is it possible that you make some word problems and your friends solve them?

Two examples are given here. You yourself make the next questions.

Example-1



3 + 2 = ?

There were 3 parrots sitting on a tree Two more parrots came on it. How many parrots are there now on the tree?



5 - 1 = ?

There were 5 parrots sitting on a tree 1 parrot flew away. How many parrots are left on the tree now?

Given below are some statements. Frame word problems also for these.

1.	7 - 2 =	?	5.	35 + 9 = ?
2.	5 + 2 =	?	6.	11 - 7 = ?
3.	8 + 9 =	?	7.	24 - 12 = ?
4.	3 - 2 =	?	8.	35 + 44 = ?



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