Vacation with
My Nani Maa







Chirag and Nandini love their Nani Maa. She is their best friend. They love playing and learning with her.

Listening to her stories is their favourite activity.



Nani Maa shows them a "magic trick".

You hide some marbles with your handkerchief. I shall tell you the number of marbles you have hidden.

You have 4 under your handkerchief.







Can you tell what the trick is?



Perform the trick on your friends. Write the numbers of hidden seeds in the table below.

Total seeds	Seeds on the table	Hidden seeds
15	12	
17	10	
19	8	

Total seeds	Seeds on the table	Hidden seeds
20	9	
23	7	
27	12	



Teacher's Note: Say a number between 1 and 9. The child has to quickly say the number which makes it 9. Repeat this task with other numbers like 10 and 20.



Chirag got 9 story books for Nani Maa So many and Nandini got 7 puzzle books for books for me. Nani Maa. How many total books did the children get for Nani Maa? Let us Do Use the tens frame to solve the following. 6 + 8 (i) = 5 + 10 = (ii) (iii) 9 – 6 = 18-9 = (iv) 🖡 Let us Play

> Make four sets of number cards with numbers 1 to 10. Shuffle and spread out all cards facing down. Take turns

with your friends to open one card at a time. When you open, look at your
card, and the cards already opened.
If any three cards make an addition or a subtraction statement, you can keep all three cards. Else, put it
down opened. For example, Nandini
opens 4. The numbers 2 and 6 are already opened. So Nandini can keep all three cards 2, 4 and 6. The game
continues till all cards are opened.
Whoever collects the greatest number of cards wins the game.

Card







Nandini and Chirag have 22 stamps. Nani Maa's brother gives them his collection of 30 stamps. How many stamps do they have now?







- 1. Solve using a *ginladi*.
 - a. 34 + 6 b. 23 + 12 c. 33 5 d. 42 15
- 2. A frog is jumping on the *ginladi*. He is at 7. He wants to jump 10 beads at a time. Mark the beads that he will jump on and write the numbers.

- 3. The frog again jumps forward by 10 each time. Mark all the places where the frog will land.
- 4. The grasshopper jumps backward by 10 each time. Mark all the beads that the grasshopper will jump on and write numbers.

34

76

Some ants are carrying big leaves to their homes. They will eat these leaves in the rainy season. Nani Maa can tell how many ants there are without looking under the leaves. Can you also tell how many ants there are under the leaves?

Fill the answers in the boxes provided.



5. Fill in the tables by jumping as instructed.

Adding and Subtracting Smartly with the Number Grid

Let us play a grid game. Each player takes turns rolling two dice to make a two-digit number, and moves the counter by the number they have made. They can choose to move forward or backward. The first to reach a number between 91 and 100 is the winner!

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



Teacher's Note: Encourage children to add two numbers on the grid by playing the game. If you can't go forward, move backward. If none, roll again.



Nandini is at 23. She has got 11 on the dice Chirag is at 19. as the number. She He gets 54 on thinks of two ways of the dice. moving to 34. A jump from 23 to 34 is Help him move his counter to steps. the correct number. +10+10Use the number grid to answer the following. Show 1. your thinking by drawing arrows in the grid. Nandini is at 45. She gets a. 34. She will land on Chirag is at 75. He gets b. 56. He will land on Nandini is at 30. She gets c. 66. She will land on Chirag is at 89. He gets d. 63. He will land on Teacher's Note: Introduce children to different words to express addition (more, added to, total, sum) and subtraction (take away, difference, less, reduce). Provide opportunities to children to make such jumps with other numbers and help them notice the pattern in the numbers.

MAGIC SUMS

Nandini and Chirag find some puzzles that Nani Maa had solved.

Observe the numbers. What do you notice?

Fill the boxes below. In each puzzle, all numbers 1-9 are there. The numbers in each row add up to the number in the box on the right. The numbers in each column add up to the number in the box below.





10

6

9

23

12



Add the numbers in the **blue** boxes and the numbers in the **red** boxes in each of the puzzles. What do you find?

Nani Maa was doing something in the newspaper. Nandini and Chirag looked into what she was doing.

Magic magic magic!!! With numbers 1 to 9 Add the numbers in a line From left to right And from top to bottom Did you find the magic? Now, try from right to left And from bottom to top Isn't it magical? There is something more, something more Add the numbers on the diagonal Isn't it magical?

Nar	vi M	laa	, W	'hat
is	SO	ma	igic	al
abou				
	2	7	6	

10

2	1	6
9	5	1
4	3	8



Fill the blanks to complete the Magic square

	3	
		9
6		



Teacher's Note: The teacher can create similar problems and challenge children with puzzles.

Nandini and Chirag went to their Nani Maa's field. Nani Maa has two fields.



Nani Maa has plucked 25 red radishes and 36 white radishes. How many total radishes has she plucked?

Nandini starts by drawing the problem on the ground.



Nani Maa puts tomatoes and carrots in a box and writes 100 on it.



Nani Maa asks Nandini and Chirag to pluck the ripe apples. Woho! So many of them.



Try finding out the answer on the number line below.



Solve the following problems by first drawing the box diagrams. Use matchstick bundles or a number line to find the answer.

- Babli didi sold 34 books on Monday and 45 books on Tuesday. How many books did she sell in the two days? How many more did she sell on Tuesday than on Monday?
- In a cricket match at Rosary school, Team Red made 56 runs before lunch and 65 runs after lunch. How many total runs did they make?
- 3. Rama sells *vadas* in the school canteen. She has sold 39 *vadas* the first day. She sold 12 more the next day. How many *vadas* did she sell in these two days?
- 4. Gehu brings 56 plants for her terrace garden. Some plants dried up. She is left with 29 plants. How many plants dried up?
- 5. Choose two numbers. Make a word problem using the two numbers. Share it with your classmates.

🖡 Let us Play

This game is to be played between two children. The first player should say a number between 1 and 10. The second player adds a number between 1 and 10 to the first player's number. The first player again adds a number between 1 and 10 to the previous sum. The player to reach 100 first is the winner. An example is given here:

Player 1 wins this round! Play this game with your friends.

Player 1	Player 2	Total
9		9
	10	19
8		27
	9	36
10		46
	8	54
10		64
	10	74
9		83
	7	90
10		100

Maths Mela | Class 3

