DOON PUBLIC SCHOOL

HOME ASSIGNMENT

Dear students,

This is your home assignment which you have to complete in your Maths notebook as instructed with an orange arrow and remaining complete in your Maths textbook . Complete the chapter neatly and practice similar type of questions. I wish you all have a great time with your family during these vacations. Take care and stay safe.

Exercise 2.1

1. Add the following:

a.

	TTh	Th	H	T	O
	3	5	3	6	1
+	4	4	2	0	7
	7	9	5	6	8

b.

	TTh	Th	H	T	O
	5	4	3	8	0
+	2	5	8	5	9
	8	0	2	3	9

c.

	TTh	Th	H	T	O
	5	4	3	2	9
+		5	8	9	4
	6	0	2	2	3

d.

	TTh	Th	H	T	O
	4	8	5	3	7
+	2	7	4	6	3
	7	6	0	0	0

e.

	TTh	Th	H	T	O
	4	7	2	1	0
	1	0	5	4	6
+		1	2	4	1
	5	8	9	9	7

f.

	TTh	Th	H	T	O
	6	0	9	2	1
	3	4	1	6	1
+		3	0	4	2
	9	8	1	2	4

g.

	L	TTh	Th	H	T	O
	4	7	5	4	0	9
+		6	8	7	4	5
	5	4	4	1	5	4

h.

	L	TTh	Th	H	T	O
	3	0	2	4	8	0
+	2	7	4	3	2	6
	5	7	6	8	0	6

i.

	L	TTh	Th	H	T	O
	5	4	8	2	6	5
	3	0	0	9	3	7
+			4	6	4	5
	8	5	3	8	4	7

j.

	L	TTh	Th	H	T	O
	7	5	3	1	8	0
	1	5	3	2	9	4
+			8	5	3	9	2
	9	9	1	8	6	6

2. Mohan bought a study table for ₹ 12,530 and a bookshelf for ₹ 23,450. Find the total money spent by him in buying the two items.

3. An LED TV set costs ₹ 92,425 and a digital camera costs ₹ 78,946. Find the total cost of both the items.

4. In a coaching centre, 11,230 students enrolled in the first year, 21,220 in the second year and 31,012 in the third year. Find the total number of students who have enrolled at the coaching centre in the three years.

ANSWERS OF EXERCISE 2.1 **(DO IN YOUR CLASS WORK NOTEBOOK)**

2.

Price of the study table =
Price of the bookshelf = +
Total price =

TTH	TH	H	T	O
1	2	5	3	0
2	3	4	5	0
3	**5**	**9**	**8**	**0**

Thus, the total money spent by Mohan in buying the two items is Rs. 35,980.

3.

Cost of the LED TV set =
Cost of the digital camera = +
Total cost =

L	TTH	TH	H	T	O
	9	2	4	2	5
	7	8	9	4	6
1	**7**	**1**	**3**	**7**	**1**

Thus, the total cost of both the items is Rs. 1,71,371.

4.

Number of students enrolled in the first year =
Number of students enrolled in the second year =
Number of students enrolled in the third year = +
Total number of students enrolled =

TTH	TH	H	T	O
1	1	2	3	0
2	1	2	2	0
3	1	0	1	2
6	**3**	**4**	**6**	**2**

Thus, total number of students who have enrolled at the coaching centre in three years is 63,462.

11,243 people enrolled for yoga classes last year. 32,435 more people enrolled for the classes this year compared to last year. How many people in all enrolled for the yoga classes in the two years?

Write two advantages of doing yoga every day. (Don't write the question)

Number of people enrolled in last year =
More number of people enrolled in this year = +
Total number of people enrolled =

TTH	TH	H	T	O
1	1	2	4	3
3	2	4	3	5
4	**3**	**6**	**7**	**8**

Thus, total number of people enrolled for the yoga classes in the two years are 43,678.

ADVANTAGES

- We stay healthy and fit.
- Our bones will be strong.

PROPERTIES OF ADDITION **(DO IN YOUR CLASS WORK NOTEBOOK)**

1) If two numbers are added in any order, their sum will remain same.
Example:-

L	TTH	TH	H	T	O
	3	5	0	0	0
+	1	5	0	0	0
5	**0**	**0**	**0**	**0**	**0**

L	TTH	TH	H	T	O
	1	5	0	0	0
+	3	5	0	0	0
5	**0**	**0**	**0**	**0**	**0**

Thus, 350000 + 150000 = 150000 + 350000

2) If three or more numbers are added, their sum will remain same even if the order of grouping is changed.

Example:- = (121 + 3761) + 123456 = 121 + (3761 + 123456)

= 3882 + 123456 = 121 + 127217

= 127338 = 127338

3) The sum of zero and a number is the number itself.

Example:- 437256 + 0 = 437256

4) Addition of 1 to a number gives the successor of the number.

Example:- 999 + 1 = 1000

Exercise 2.2

1. Fill in the blanks.

a. 1,32,423 + 2,35,347 = 2,35,347 + 1,32,423 b. 3,73,543 + 0 = 3,73,543

c. 3,42,627 + 0 = 3,42,627 d. 2,33,454 + 1 = 2,33,455

e. 5,62,456 + (56,234 + 3,45,236) = (5,62,456 + 56,234) + 3,45,236

2. Using the properties of addition, add the following and compare the sums.

a. 22,457 + 27,456; 27,456 + 22,457 b. 4,25,693 + 3,72,817; 3,72,817 + 4,25,693

c. (2,60,357 + 2,48,486) + 2,20,567; 2,60,357 + (2,48,486 + 2,20,567)

d. (5,34,527 + 4,25,276) + 4,25,267; 5,34,527 + (4,25,276 + 4,25,267)

FUN WITH MATHS

Add: 87 + 45 + 33 + 25 = ?

Group the numbers smartly!

87 + 45 + 33 + 25 = (87 + 33) + (45 + 25) = 120 + 70 = 190

Solve the following using the same method.

1. 201 + 92 + 18 + 4
2. 101 + 73 + 27
3. 201 + 86 + 14
4. 105 + 12 + 25 + 38
5. 101 + 12 + 19 + 78
6. 305 + 82 + 45 + 128

SPEED MATHS

1. 2,49,634 + 34,625 = 34,625 + 2,49,634
2. Find the sum of 1 and the largest 5-digit number. 100000
3. What is 20001 + 153? 20,154
4. 4 + 40 + 400 + 4000 + 0 = 4444

ANSWERS OF EXERCISE 2.2

1. a. 1,32,423 b. 3,73,543 c. 0 d. 1 e. 56,234

2. a.

TTH	TH	H	T	O
2	2	4	5	7
+ 2	7	4	5	6
4	**9**	**9**	**1**	**3**

TTH	TH	H	T	O
2	7	4	5	6
+ 2	2	4	5	7
4	**9**	**9**	**1**	**3**

Thus, 22,457 + 27,456 = 27,456 + 22,457

b.

L	TTH	TH	H	T	O
4	2	5	6	9	3
+ 3	7	2	8	1	7
7	**9**	**8**	**5**	**1**	**0**

L	TTH	TH	H	T	O
3	7	2	8	1	7
+ 4	2	5	6	9	3
7	**9**	**8**	**5**	**1**	**0**

Thus, 4,25,693 + 3,72,817 = 3,72,817 + 4,25,693

c. (2,60,357 + 2,48,486) + 2,20,567

L	TTH	TH	H	T	O
2	6	0	3	5	7
+ 2	4	8	4	8	6
5	**0**	**8**	**8**	**4**	**3**

L	TTH	TH	H	T	O
5	0	8	8	4	3
+ 2	2	0	5	6	7
7	**2**	**9**	**4**	**1**	**0**

2,60,357 + (2,48,486 + 2,20,567)

L	TTH	TH	H	T	O
2	4	8	4	8	6
+ 2	2	0	5	6	7
4	**6**	**9**	**0**	**5**	**3**

L	TTH	TH	H	T	O
4	6	9	0	5	3
+ 2	6	0	3	5	7
7	**2**	**9**	**4**	**1**	**0**

Thus, (2,60,357 + 2,48,486) + 2,20,567 = 2,60,357 + (2,48,486 + 2,20,567)

d. (5,34,527 + 4,25,276) + 4,25,267

L	TTH	TH	H	T	O
5	3	4	5	2	7
+ 4	2	5	2	7	6
9	**5**	**9**	**8**	**0**	**3**

L	TTH	TH	H	T	O
9	5	9	8	0	3
+ 4	2	5	2	6	7
1	**3**	**8**	**5**	**0**	**7 0**

5,34,527 + (4,25,276 + 4,25,267)

L	TTH	TH	H	T	O
4	2	5	5	2	7
+ 4	2	5	2	6	7
8	**5**	**0**	**7**	**9**	**4**

L	TTH	TH	H	T	O
8	5	0	7	9	4
+ 5	3	4	5	2	7
1	**3**	**8**	**5**	**3**	**2 1**

Thus, (5,34,527 + 4,25,276) + 4,25,267 = 5,34,527 + (4,25,276 + 4,25,267)

FUN WITH MATHS

Add : 87 + 45 + 33 + 25 = **190**

Solve the following using the same method.

1. (201+4) + (92+18) = **315**
2. 101 + (73+27) = **201**
3. 201 + (86+14) = **301**
4. (105+25) + (12+38) = **180**
5. (101+19) + (12+78) = **210**
6. (305+45) + (82+128) = **560**