

NOTES

CLASS: IV

SUB : MATHEMATICS

TOPIC: A TRIP TO BHOPAL

I. FILL IN THE BLANKS:

1. The smallest 1 digit number is 1
2. The biggest 1 digit number is 9
3. The smallest 2 digit number is 10
4. The biggest 2 digit number is 99
5. The smallest 3 digit number is 100
6. The biggest 3 digit number is 999
7. The smallest 4 digit number is 1000
8. The biggest 4 digit number is 9999
9. The smallest 5 digit number is 10000
10. The biggest 5 digit number is 99999

II. Use the digits to build the greatest and smallest number possible:

1. 9, 4, 6 = smallest = 469
Greatest = 964
2. 8, 4, 3, 1 = smallest = 1348
Greatest = 8431
3. 8, 6, 5, 0 = smallest = 5068
Greatest = 8650

III. FIND THE MIDDLE NUMBER:

1. Between 130 and 140 is 135
2. Between 200 and 300 is 250
3. Between 600 and 650 is 625

IV. 1. What numbers can you make by using 5, 4, 6?

Ans: 456, 465, 546, 564, 654, 645

2. Using 7, 0, 5:

Ans: 507, 570, 705, 750

V. ADDITION:

1. $654 + 232 = 886$
2. $9346 + 8268 = 17614$
3. 656 MORE THAN 892 = 1548

VI. SUBTRACTION:

1. $539 - 412 = 127$
2. $6549 - 167 = 6382$
3. 272 LESS THAN 989 = 717

VII. MULTIPLICATION:

1. $35 \times 41 = 1435$
2. $769 \times 36 = 27684$

VIII. DIVISION:

1. $428 / 2 = Q= 214, R= 0$
2. $676 / 5 = Q = 135, R= 1$

IX. BOOK EXERCISE:

Class	Number of children
I	33
II	32
III	42
IV	50
V	53
Total	_____



Do we need 4 buses?
One bus can take 50
children, 4 buses
can take $50 \times 4 \dots?$



- ❖ So there are a total of _____ children going.
- ❖ If they get 4 buses, how many children will get seats? _____
- ❖ Will there be any children left without seats?

- i. Totally = $33 + 32 + 42 + 50 + 53 = 210$ children
- ii. One bus = 50 children
4 buses = $4 \times 50 = 200$ children will get seats
- iii. Only 10 children were left without seats

A I gave four toffees each to four of my friends and three toffees are left with me. How many toffees did I have?



B What numbers can you make using 3, 5 and 7? You can make 357 and 537. What others?

C A number becomes double if it is increased by 8. What is the number?

A. No. of toffees given to 4 friends = $4 \times 4 = 16$
Toffees left over = 3
So total no. of toffees = $16 + 3 = 19$ Toffees

B. 357, 375, 537, 573, 735, 753

C. Let the number be X
Number increased by 8 = $x + 8$
 $2x = x + 8$
 $2x - x = 8$
 $x = 8$



D Think of a number which can be divided by 2, 3 and 5 and comes between 25 and 50.

E A small ant climbs 3 cm in 1 minute but slips down 2 cm. How much time will it take to climb to 2 cm?

Can you solve these? Try them out.

- D. $2 = 2, 4, 6, 8, \dots, 30$
 $3 = 3, 6, 9, 12, \dots, 30$
 $5 = 5, 10, 15, 20, \dots, 30$
 The repeated no. is 30
 So 30 is divided by 2, 3, 5.
- E. Distance covered by ant in 1 min = $3\text{cm} - 2\text{cm} = 1\text{cm}$
 Ant climbs 1cm in 1 min
 So it takes 2 min to climb 2 cm.

X. BOOK EXERCISE:

	<i>Name of the Boat</i>	<i>Ticket-price</i>	<i>Trip-time</i>
1.	Double-decker	Rs 30	45 minutes
2.	Paddle-boat	Rs 15	30 minutes
3.	Motor-boat	Rs 25	20 minutes
4.	Boat with oars	Rs 15	45 minutes

- ❖ Indra and Bhanu first went in the motor-boat, and then took the oar-boat.
 How much did they pay for both the boats? Rs _____
 How much time did they get for both rides? _____
- ❖ One group of children went for the double-decker trip. They paid Rs 450 in total. How many children went for the double-decker trip? _____
- ❖ Which boat makes two trips in 1 hour?
- ❖ Which boat takes less than half an hour to complete a trip?
- ❖ Which boat gives them the most time taking the least money?
- ❖ Javed went twice for boating. He paid a total of Rs 40. and boated for 50 minutes. Which two boats did he take? _____

1. Motor boat = Rs.25
Oar boat = Rs. 15
Total = $25 + 15 = \text{Rs.}40$
Each paid =Rs.40
Trip time = $20 \text{ min} + 45 \text{ min} = 65 \text{ min}$ i.e 1 hour 5 mins
2. Total amount = Rs. 450
Ticket for each person = Rs. 30
No. of children = $450 / 30 = \text{Rs.}15$
3. Paddle boat ($30 \times 2 = 60 \text{ mins}$) 1 hour
4. Motor boat = 20 mins
5. He took paddle boat and motor boat because ticket price for both is = $\text{Rs. } 15 + \text{Rs. } 25 = \text{Rs. } 40$
Time taken = $30 + 20 = 50 \text{ mins}$.