ASSIGNMENT – 3(MATHEMATICS) CLASS – 8

Copy the notes in your maths copy and then do the homework in the same copy.

CHAPTER - 5

PLAYING WITH NUMBERS

Puzzles:-

We have to find out which letters represent which digits.

- RULE i) Each letter must stand for just one digit
 - ii) The first digit cannot be zero.

EXERCISE 5.2

Q. no. 1.		4	А				
	+	3	5				
		В	2	Put tl	he va	lue of	А&В,
Solu	ition -		A + 5 = 12		Chec	k the	sum
		A = 1	12 – 5 = 7			4	7
		1+4	+ + 3 = B		+	3	5
			B = 8				
						8	2

Q. no. 6.			А	2	1	В
		+	1	С	А	В
			В	4	9	6
Solution -		B + I	B = 16)		
			2B =	16		
			B = 8			
		1+1	. + A =	9		
			A = 9) – 2 =	7	
		2 + C	2 = 4			
		C = 4	- 2 =	2		
	Now	put t	he val	ue of	A, B a	and C and check the puzzle
	Now	put t		ue of 2		-
	Now			2	1	8
	Now		7	2	1	8
	Now		7	2	1	8
Q. no. 4.	Now		7 1	2 2	1 7	8
Q. no. 4.		+	7 1 8	2 2	1 7	8
Q. no. 4.		+ 	7 1 8 A	2 2	1 7	8
Q. no. 4.		+ 	7 1 8 A	2 2	1 7	8
	+ B	+ A A	7 1 8 A A	2 4	1 7	8

A = 9

Put the value of A and find the value of B

		9	9	
		9	9	
	+	9	9	
	1	9	8	
Therefore,	B = 1	and A	۹ = 9	
Q. no. 10.			А	В
		Х	А	В
		6	А	В

Observe the unit column,

This can be possible when the value of B is either 0 or 5

		А	5				
	Х	А	5				
				-			
	6	А	5				
Let the va	lue of	² A = 2			(If w	ve tak	e A= 1
		2	5			1	5
	Х	2	5		Х	1	5
	6	2	5		2	2	5

Q. no. 12		A)	3 B	C (5 C			
		-	-30				
			5	С			
			- 5	C			
			Х	<u> </u>			
Solution -	A x	: 5 = 3	0				
	A =	• 6					
	3 B	5 – 30	= 5				
		B =	= 5				
	Wł	When D = 9, C = 4					
Q. no. 13 b)	3	14	A	0			
	8	D	6	В			
	4	E	C	7			
	G	F	1	12			

Sum of each row, column and diagonal is 30

3 + 14 + A + 0 = 30

A = 30 - 17 = 13

Again, 0 + B + 7 + 12 = 30

$$B = 30 - 19 = 11$$

Similarly find the value of C, as we know that all the three values of its column (A=13, 6 and 1) and sum of column is 30.

So,

Similarly, find the values of D, E, F and G

Home-work:

Exercise 5.2 question no. 2, 3, 5, 7, 8, 9, 11, 13(a)