Worksheet: - 5   Subject: - Mathematics   Class:-V   Teacher:-Mrs. Poonam Sunil

Name:-_____   Class & Sec.:-____   Roll No.:-___   Date:-

Revision Assignment-1

Good Morning Students! Today we will continue Ex.-4(B)

Q4 Test which of the following numbers are

I Divisible by 9

(a) 64 — Sum of the digits = $6+4=10$ (No)

b) 8108 — Sum of the digits = $8+1+0+8 = 17$ (No)

c) 72432 — Sum of the digits = $7+2+4+3+2=18$ (Yes)

d) 432981 — Sum of the digits = $4+3+2+9+8+1=27$ (

e) 174331 — Sum of the digits = $1+7+4+3+3+1 = 19$ (No)

f) 2872364 — Sum of the digits = $2+8+7+2+3+6+4=32$ (No

Q5 Replace * by the smallest digit to make the following numbers are divisible by 3.

a) 53*35

$5+3+?+3+5 = 16+? = 16+2 = 18.$

Hence 5+3

b) 5402*6

$5+4+0+2+?+6 = 17+? = 18$ ie $17+1 = 18$

∴ 5402[1]6

c) 387*

$3+8+7+? = 18+? = 18$ ie $18+0 = 18$

∴ 387[0]

d) *5462

$?+5+4+6+2 = 17+? = 18$ ie $17+1 = 18$

∴ [1]5462

Prime Factorisation :

DATE : / /

To express a given number as a product of prime factors is called prime factorisation.

Ex- 4(c)

Q₁ Write the common factors of :

a) 25, 45

5	25		3	45
5	5		3	15
	1		5	5
				1

$25 = ⑤ × 5$

$45 = 3 × 3 × ⑤$

$CF = 5$

b) 75, 125

3	75		5	125
5	25		5	25
5	5		5	5
	1			1

$75 = 3 × ⑤ × ⑤$

$125 = ⑤ × ⑤ × 5$

$CF = 5 × 5$

c)   120, 156

2	120		2	156
2	60		2	78
2	30		3	39
3	15		13	13
5	5			1
	1			

$120 = ② × ② × 2 × ③ × 5$

$156 = ② × ② × ③ × 13$

$CF = 2 × 2 × 3$

d)   100, 150

2	100		2	150
2	50		3	75
5	25		5	25
5	5		5	5
	1			1

$100 = ② × 2 × ⑤ × ⑤$

$150 = ② × 3 × ⑤ × ⑤$

$CF = 2 × 5 × 5$