(W)
23.7.21

Exercise - 8(A)

Q1)

D.V By	Numbers						
	99	184	7065	12480	27534	233431	22[illegible]
3	✓	✗	✓	✓	✓	✓	✓
4	✗	✓	✗	✓	✗	✗	✗
5	✗	✗	✓	✓	✗	✗	✗
6	✗	✗	✗	✓	✓	✗	✓
9	✓	✗	✗	✗	✗	✗	✗
11	✓	✗	✗	✗	✗	✗	✓
12	✗	✗	✗	✓	✗	✗	✗
15	✗	✗	✓	✓	✗	✗	✓

2) From the numbers given below which should be (i) Subtracted from and (ii) added to

a. 3616 to get a number divisible by 3 (i) 1 (ii) 2

b. 5213 to get a number divisible by 5 (i) 3 (ii) 2

c. 12642 to get a number divisible by 4 (i) 2 (ii) 2

d. 7427 to get a number divisible by 6 (i) 5 (ii) 1

e. 9466 to get a number divisible by 9 (i) 7 (ii) 2

f. 26303 to get a number divisible by 11 (i) 2 (ii) 9

CW
26.7.21

Exercise - 8 (A)

3) Find out if the first number is the factor of the second numbers.

a. 8 : 1008 = Yes

b. 7 : 658 = Yes

c. 9 : 3145 = No

d. 11 : 3644 = No

e. 19 : 626 = No

f. 17 : 398 = No

g. 13 : 4164556 = No

h. 12 : 780 = Yes

i. 14 . 464 = No

j. 15 : 1785 = Yes

k. 13 : 4103 = No

l. 16 : 1936 = Yes

W
27.7.21

Exercise 8(A)

1) List the factors of the following

a. 48 = 1, 2, 3, 4, 6, 8, 12, 16, 24, 48

b. 63 = 1, 3, 7, 9, 21, 63

c. 84 = 1, 2, 3, 4, 6, 7, 12, 14, 21, 28, 42, 84

d. 108 = 1, 2, 3, 4, 6, 9, 12, 18, 27, 36, 54, 108

e. 32 = 1, 2, 4, 8, 16, 32

f. 169 = 1, 13, 169

g. 343 = 1, 7, 49, 343

h. 150 = 1, 2, 3, 5, 6, 10, 15, 25, 30, 50, 75, 150

ICW
28.7.21

Exercise 8(A)

5) a. Find the first six multiples of 9. 9, 18, 27, 36, 45, 54

b. Find the seventh multiple of 16. 112

c. Find the fifth multiple of 15. 75

d. Find the ninth multiple of 16. 144

e. Find the multiples of 11 greater than 55 but less than 180. 66, 77, 88, 99, 110, 121, 132, 143, 154, 165, 176

f. Find the multiples of 15 greater than 120 but less than 225. 135, 150, 165, 180, 195, 210

6) Write down the prime numbers between.

a. 50 to 65 = 53, 59, 61

b. 80 to 100 = 83, 89, 97

c. 110 to 125 = 113

7) Write down the composite numbers between.

a. 70 to 80 = 72, 74, 75, 76, 77, 78

b. 100 to 110 = 102, 101, 105, 106, 108

c 40 to 50 = 42, 44, 45, 46, 48, 49

8) Is 1 a prime number? No

9) What is the smallest composite number? 4

10) Write the prime number which is even. 2

11) Find the prime factors of the following numbers:
27, 35, 63, 91, 100, 77, 54 and 143.

a. 3 | 27
3 | 9
3

So, the prime factor of 27 is 3.

b. 5 | 35
7

So, the prime factors of 35 are 5 and 7

c. 3 | 63
3 | 21
7

So, the prime factors of 63 are 3 and 7

d. 7 | 91
13

So, the prime factors of 91 are 7 and 13

e. 2 | 100
2 | 50
5 | 25
5

So, the prime factors of 100 are 2 and 5

f. 7 | 77
11

So, the prime factors of 77 are 7 and 11

g. 2 | 54
3 | 27
9

So, the prime factors of 54 are 2 and 3

h. 11 | 143
13

So, the prime factors of 143 are 11 and 13