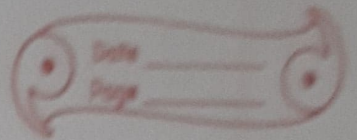


Exercise - 8 (A)



1) Divisible	Number							
	by	99	184	7065	12480	27534	23343	12210
3	✓	X	✓	✓	✓	✓	✓	✓
4	X	✓	X	✓	X	X	X	X
5	X	X	✓	✓	X	X	X	✓
6	X	X	X	✓	✓	X	X	✓
9	✓	X	✓	X	X	X	X	X
11	✓	X	X	X	X	X	X	✓
12	X	X	X	✓	X	X	X	X
15	X	X	✓	✓	X	X	X	✓

2) a) 3646 to get a number divisible by 3 - (i) 1 (ii) 2

b) 12642 to get a number divisible by 4 - (i) 2 (ii) 2

c) 5213 to get a number divisible by 5 - (i) 3 (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) 26,303 to get a number divisible by 11 - (i) 2 (ii) 9

CW 1
26.7.2021

3) 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

- 4) 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, 9, 12, 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

- 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 greatest 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 number between.

- a) 50 to 65 - 53, 59, 61
 b) 80 to 100 - 83, 89, 97
 c) 110 to 125 - 113

7) Write the composite numbers between:

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

b) 100 to 110 - 102, 104, 105, 106, 108.

c) 40 to 50 - 42, 44, 45, 46, 48, 49.

8) Is 1 a prime number?

ans) No.

9) What is the smallest composite number?

ans) 4

10) ~~Write~~ Write the prime number which is even.

ans) 2

11) Find the prime factors of the following numbers:

$$\begin{array}{r} \text{ans) a) } 3 \overline{) 27} \\ \underline{3 } 9 \\ \underline{3 } 0 \\ 3 \end{array}$$

So, Prime factor of 27 is 3.

$$\text{b) } \begin{array}{r} 5 \overline{) 35} \\ \underline{5 } 0 \\ 7 \end{array}$$

So, prime factors of 35 is 5 and 7

$$\text{c) } \begin{array}{r} 3 \overline{) 63} \\ \underline{3 } 21 \\ \underline{3 } 0 \\ 7 \end{array}$$

So, prime factors of 63 is 3 and 7

$$\text{d) } \begin{array}{r} 7 \overline{) 91} \\ \underline{7 } 13 \\ 13 \end{array}$$

So, prime factors of 91 is 7 and 13

$$\text{e) } \begin{array}{r} 7 \overline{) 77} \\ \underline{7 } 0 \\ 11 \end{array}$$

So, prime factors of 77 is 7 and 11

$$\begin{array}{r} f) 2 \overline{) 54} \\ 3 \overline{) 27} \\ 3 \overline{) 9} \\ 3 \end{array}$$

So, the prime factors of 54
is 2 and 3.

$$\begin{array}{r} g) 11 \overline{) 143} \\ 13 \end{array}$$

So, prime factors of 143
are 11 and 13