Thu - 7/7/2021

Ex - 9C

1. Find which of the following are divisible by 2

(a) 352 - Divisible by 2 (b) 523

(c) 496 - Divisible by 2 (d) 649

2. Find which of the following numbers are divisible by 4:

(a) 222 (b) 532 - Divisible by 4

(c) 678 (d) 9232 - Divisible by 4

3. Find which of the following numbers are divisible by 8

(a) 324 - Divisible by 8 (b) 2536 - Divisible by 8

(c) 92760 - Divisible by 8 (d) 9232 - Divisible by 8

4. Find which of the following are divisibly by 3.

(a) 221 - (b) 543 - Divisible by 3

(c) 28492 (d) 92349 - Divisible by 3

5. Find which of the following numbers are divisible by 9.

(a) 1332 - Divisible (b) 53247

(c) 4968 - Divisible (d) 200314

6. Find the following numbers which are divisible by 6.

(a) 324 = Divisible by 6 (b) 2010 = Divisible
(c) 33278 = (d) 15505 =

7. Find which of the following numbers are divisible by 5.

(a) 5080 = Divisible (b) 66666 = Not divisible
(c) 755 = Divisible (d) 9207 = Not divisible

8. Find which of the following numbers are divisible by 10.

(a) 9990 = Divisible (b) 0
(c) 847 (d) 8976

9. Find which of the following numbers are divisible by 11.

(a) 5918 Divisible (b) 68717 Divisible
(c) 3882 (d) 10857 Divisible

10. Find which of the following numbers are divisible by 15:

(i) 960 = Divisible (ii) 8295 = Divisible
(iii) 10243 = (iv) 5013

11. (i) 64M3

Ans = 6+4+M+3 = 13
M = 2
3+M = 15 15 is divisible by 3 so
6423

(ii) 16M46 46146

4+6+1+4+6 = 20

21 is divisible by 3 so

M = 1

20 + M = 21

(iii) 27M53

2+7+5+3 = 17

17 + M = 18

M = 1

27153

12. (i) 76M91

7+6+9+1 = 23

23 + M = 27

M = 4

76491

(ii) 77548M

7+7+5+4+8 = 31

31 + M = 36

M = 5

77548 5

(iii) 627M9

6+2+7+9 = 24 24 + M = 27

M = 3

13. a. 39M2

9 + 2 = 11

3 + M = 11

0

0 is divisible by 11,

so, M = 8

b. 3M22

2 + 3 = 5

M + 2 = 5

0 is divisible by 11.

So, M = 3

c. 70975M

7 + 9 + 5 = 21

0 + 7 + M = 10

11 is divisible by 11.

M = 3

d. 14M75

7 + 4 = 11

1 + 5 + M = 11 11 - 11 = 0

0 is divisible by 11 so,

M = 5

14. (i) If a number is divisible by 4, it is also divisible by 8. True.

(ii) If a number is ~~divisible~~ a factor of 16 and 24, It is also a factor of 48. True.

(iii) If a number is divisible by 18, It is divisible by 3 and 6. True.

If a ~~number is divisib~~ divides both a and b completely then a divides (i) a+b (ii) a-b completely. True