

Ex-8 (A)

Divisible by	99	184	7065	12480	23343	12210
3	✓	×	✓	✓	✓	✓
4	×	✓	+	✓	×	×
5	×	×	✓	✓	×	✓
6	×	×	×	✓	×	✓
9	✓	×	✓	×	×	×
11	✓	×	×	×	×	✓
12	×	×	×	✓	×	×
15	×	×	✓	✓	×	✓

$$3+6+4+6=19$$

$$19-1=18, 19+2=21$$

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) 26303 to get a number divisible by 8 (i) 2 (ii) 9

3. a) 8: 1008 - Yes

b) 7: 658 - Yes

c) 9: 3145 - ~~Yes~~ 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

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

5) a) (6 multiples) - 9 = 9, 18, 27, 36, 45, 54

b) (7th) - 16 = 112

c) (5th) - 15 = 75

d) (9th) - 16 = 144

e) Find the multiples of 11 greater than 55 but less than 180.

~~Ans~~ 66, 77, 88, 99, 110, 121, 132, 143, 154, 165, 176

f) Find the multiples of 15 greater than 120 but less than 225.

Ans 135, 150, 165, 180, 195, 210

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

- 7.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? 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, 143

$$3 \overline{) 27}$$

$$3 \overline{) 9}$$

$$3$$

$$PF = (3)$$

$$5 \overline{) 35}$$

$$7 \overline{) 7}$$

$$1$$

$$PF = (5) \& (7)$$

$$3 \overline{) 63}$$

$$3 \overline{) 21}$$

$$7 \overline{) 7}$$

$$PF = (3) \& (7)$$

$$7 \overline{) 91}$$

$$13 \overline{) 13}$$

$$1$$

$$PF = (7) \& (13)$$

$$2 \overline{) 100}$$

$$2 \overline{) 50}$$

$$5 \overline{) 25}$$

$$5$$

$$PF = (2) \& (5)$$

$$7 \overline{) 77}$$

$$11$$

$$PF = 7 \& 11$$

$$11 \overline{) 143}$$

$$13 \overline{) 13}$$

$$1$$

$$PF = (11) \& (13)$$

$$2 \overline{) 54}$$

$$3 \overline{) 27}$$

$$3 \overline{) 9}$$

$$PF = (2) \& (3)$$