

Exercise 10(E)

1 Find the LCM of given numbers by listing method

(a) 2 and 6

Multiples of 2 = 2, 4, 6  
Multiples of 6 = 6, 12, 18

So, LCM of 2 and 6 is = 6

(b) 4 and 12

Multiples of 4 = 4, 8, 12  
Multiples of 12 = 12, 24, 36

So LCM of 4 and 12 is 12

(c) 5 and 3

Multiples of 5 = 5, 10, 15  
Multiples of 3 = 3, 6, 9, 12

LCM = 15

d) 3, 9

Multiples of 3 = 3, 6, 9

Multiples of 9 = 9, 18, 27

$$\text{LCM} = 9$$

e) 10, 20

Multiples of 10 = 10, 20

Multiples of 20 = 20, 40

$$\text{LCM} = 20$$

f) 6 and 4

Multiples of 6 = 6, 12, 18

Multiples of 4 = 4, 8, 12, 16

$$\text{LCM} = 12$$

g) 4 and 18

Multiples of 9 = 4, 8, 12, 16, 20,  
24, 28, 32, 36

Multiples of 18 = 18, 36, 54

LCM = 36

h) 4, 6

Multiples of 4 = 4, 8, 12

Multiples of 6 = 6, 12, 18

LCM = 12

i) 16 and 8

Multiples of 16 = 16, 32

Multiples of 8 = 8, 16, 24

LCM = 16

Q) 9 and 12

Multiples of 9 = 9, 18, 27, 36

Multiples of 12 = 12, 24, 36

LCM 36