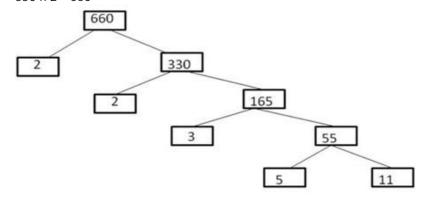


Exercise 1A

Questions 9: By going upward 5 x 11= 55 55 x 3 = 165 165 x 2 = 330 330 x 2 = 660



Questions 10:

Subtracting 6 from each number:

378 - 6 = 372,510 - 6 = 504

Let us now find the HCF of 372 and 504 through prime factorization: $372 = 2 \times 2 \times 3 \times 31$

2	372	_ 2	504
)	186	2	252
3	93	_ 2	126
	31	_ 7	63
	1 M.C.	3	9
			3

 $504 = 2 \times 2 \times 2 \times 3 \times 3 \times 7$

$$= 2^2 \times 3 \times 31$$

The required number is 12.

$$=2^3\times3^2\times7$$

H.C.F of 372 and
$$504 = 2^2 \times 3 = 12$$

Questions 11:

Subtracting 5 and 7 from 320 and 457 respectively:

320 - 5 = 315,

457 - 7 = 450

Let us now find the HCF of 315 and 405 through prime factorization:

3	315	_ 2	450
3	105	_ 3	225
5	35	_ 3	75
	7	5	25
			5

$$315 = 3 \times 3 \times 5 \times 7$$

$$= 3^{2} \times 5 \times 7$$

$$450 = 2 \times 3 \times 3 \times 5 \times 5$$

$$= 2 \times 3^{2} \times 5^{2}$$

The required number is 45.

********* END ********