

### 3. Common Divisor method.

a. 40 and 60

2	40, 60
2	20, 30
5	10, 15
	2, 3

HCF =  $2 \times 2 \times 5 = 20$

b. 45 and 225

3	45, 225
3	15, 75
5	5, 25
	1, 5

HCF =  $3 \times 3 \times 5 = 45$

21, 63 and 189

7	21, 63, 189
3	3, 9, 27
	1, 3, 9

HCF =  $7 \times 3 = 21$

d. 87 and 145

29	87, 145
	3, 5

HCF = 29

e. 14 and 28

~~Line~~

~~31.08.2021~~

2	14, 28
7	7, 14
	1, 2

$$\text{HCF} = 2 \times 7 = 14$$

2	144, 252, 288
7	72, 126, 114
3	36, 63, 57
	12, 21, 19

$$\text{HCF} = 2 \times 2 \times 3 = 12$$

5	125, 175, 225
5	25, 35, 45
	5, 7, 9

$$\text{HCF} = 5 \times 5 = 25$$

3	27, 162
9	9, 54
	1, 6

$$\text{HCF} = 3 \times 9 = 27$$



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f.

2	144, 252, 228
2	72, 126, 114
3	36, 63, 57
	12, 21, 19

HCF = 2 x 2 x 3 = 12

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5	125, 175, 225
5	25, 35, 45
	5, 7, 9

HCF = 5 x 5 = 25

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3	27, 162
9	9, 54
	1, 6

HCF = 3 x 9 = 27

I. 23

23	69, 92
	3, 4

HCF = 23

J.

2	96, 144, 168
2	48, 72, 84
2	24, 36, 42
3	12, 18, 21
	4, 6, 7

HCF = 2 x 2 x 2 x 3 = 24