H.W
22.6.21

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(3) iv) 70, 80, 120 and 150

A → 7 | 80
70
10

7
10 | 70
70
0

HCF of 70, 80 = 10
HCF of 10 and 120 = 10
HCF of 10 and 120 = 10
HCF of 10 and 150 = 10
HCF of 10 and 150 = 10

12
10 | 120
120
0

15
10 | 150
150
0

H.C.F. = 10

v) 32, 56 and 46

A → using division method we get = 2
H.C.F = 2

(4) iii) 66, 33 and 132
using division method we get = 11
H.C.F = 11

iv) 24, 36, 60 and 132
using division method we get = 12
H.C.F. = 12

v) 30, 60, 90 and 105

A) Hcf of 30, 60 and 90

```
        2
30 | 60
   -60
    0
        3
30 | 90
   -90
    0
```

HCF of 30, 60 and 90 = 30

HCF of 30, 60, 90 and 105 = HCF of 30 and 105 = 15

6) Show that 45 and 56 are Co-Prime

```
        1
45 | 56
   -45
    11
        4
11 | 45
   -44
     1
        11
1  | 11
   -11
     0
```

HCF of 45 and 56 = 1

∴ 45 and 56 are Co-Prime.