

Exercise 10(D)

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③ f. 144, 252 and 228

$$\begin{array}{l|l} 2 & 144, 252 \text{ and } 228 \\ \hline 2 & 72, 126, 114 \\ \hline 3 & 36, 63, 57 \\ \hline & 12, 21, 19 \end{array}$$

Hence, the common factors are

2, 2 & 3

HCF of 144, 252 and 228 = $2 \times 2 \times 3$

$\Rightarrow 12$

g. 125, 175 and 189

$$\begin{array}{l|l} 5 & 125, 175, 225 \\ \hline 5 & 25, 35, 45 \\ \hline & 5, 7, 9 \end{array}$$

Hence, the common factors are $\rightarrow 5, 5$

HCF of 125, 175 and 189 = $5 \times 5 \rightarrow 25$

b, 27 and 162

3	27, 162
9	9, 54
	1, 6

Hence, the common factors are $\rightarrow 3, 9$

HCF of 27 and 162 = $3 \times 9 \rightarrow 27$

i, 69 and 92

23	69, 92
	3, 4

Hence, the common factors $\rightarrow 23$

HCF of 69 and 92 = 23

j. 96, 144, 168

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

Hence, the common factors are

2, 2, 2 & 3

HCF of 96, 144, 168 = $2 \times 2 \times 2 \times 3$

$\Rightarrow 24$