Easy question		**Medium** question		**Challenging** question	✔

1)

Question :

Express **120** as a product of Prime numbers.

120

6 X 20

2 X ___ 2 X ___

2 X ___ X 2 X ___ X ___

So, 120 = 2 X _____ X 2 X _____ X _____
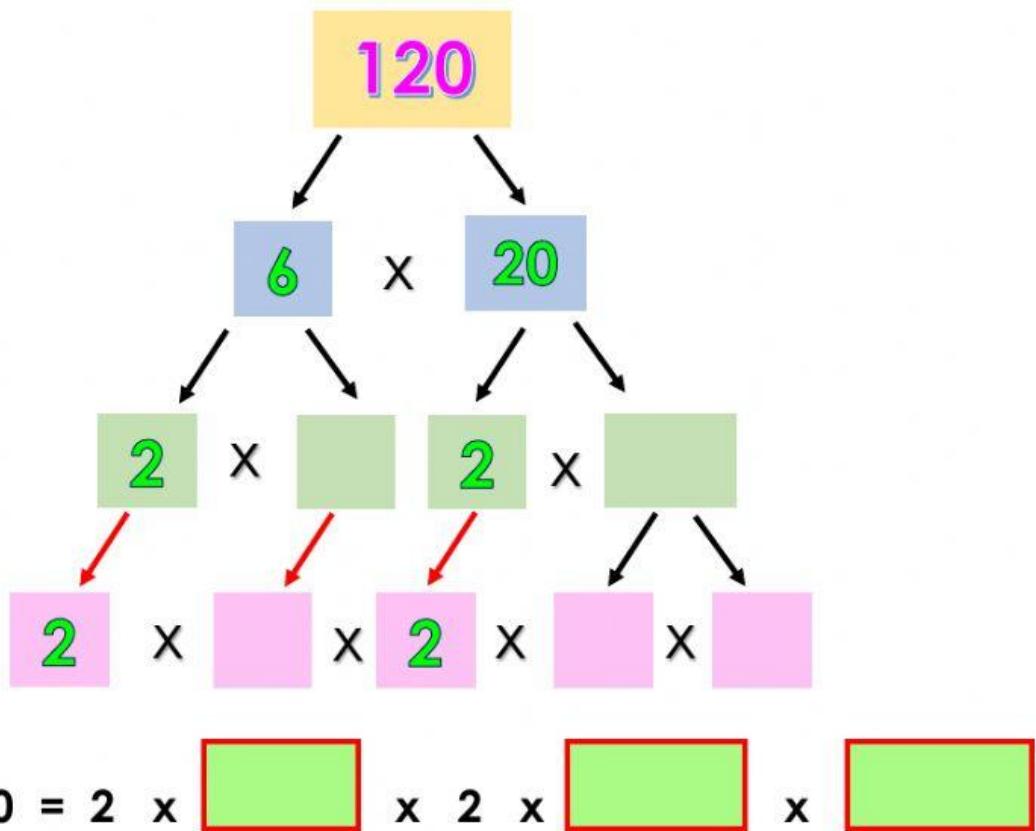
Easy question	☑	Medium question	Challenging question

2) **Question :**

What is the **H**ighest **C**ommon **F**actor (HCF) of **8** and **12** ?

8	12
Use timetable 1 ➡ **1 x 8** Use timetable 2 ➡ **2 x 4**	Use timetable 1 ➡ **1 x 12** Use timetable 2 ➡ **2 x 6** Use timetable 3 ➡ **3 x 4**

Factors of 8 = ①,②,④, 8

Factors of 12 = ①,②, 3 ,④, 6 , 12

Common **F**actors of 8 and 12 = [   ] , [   ] , [   ]

Highest Common Factors (HCF) of 8 and 12 = [   ]

Easy question	Medium question	✓	Challenging question

3) **Question :**

What is the **H**ighest **C**ommon **F**actor (HCF) of **24** and **36** ?

24	36
Use timetable 1 ⟹ 1 x 24	Use timetable 1 ⟹ 1 x 36
Use timetable 2 ⟹ 2 x 12	Use timetable 2 ⟹ 2 x 18
Use timetable 3 ⟹ 3 x 8	Use timetable 3 ⟹ 3 x 12
Use timetable 4 ⟹ 4 x 6	Use timetable 4 ⟹ 4 x 9
	Use timetable 6 ⟹ 6 x 6

Factors of 24 = ①, ②, ③, ④, ⑥, 8, ⑫, 24

Factors of 36 = ①, ②, ③, ④, ⑥, 9, ⑫, 18, 36

Common Factors of 24 and 36 = ☐ , ☐ , ☐ , ☐ , ☐ , ☐

Highest Common Factors (HCF) of 24 and 36 = ☐

The End

Good Luck

Think wisely