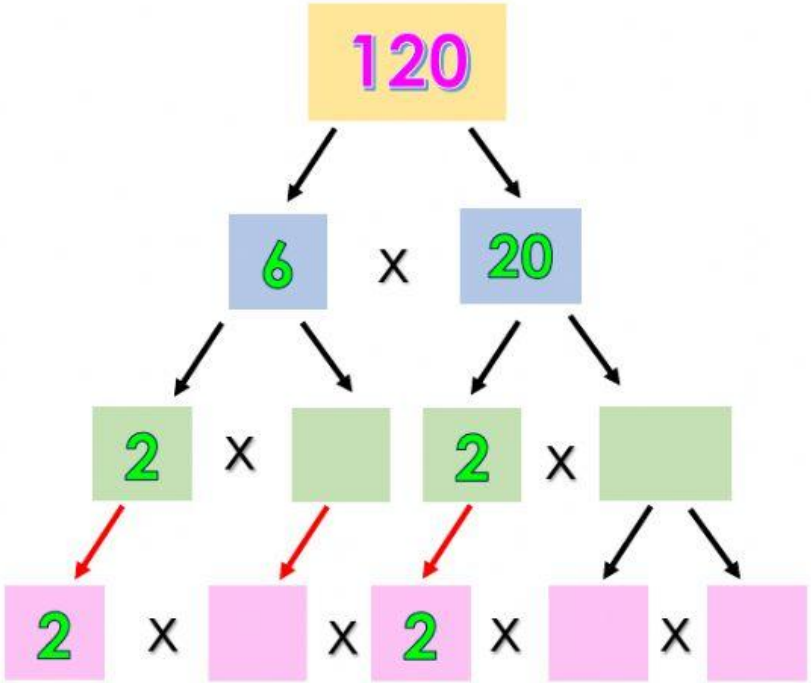
Do you know how to find

Highest Common Factor or HCF " ?

Easy question		**Medium** question		**Challenging** question	✓

1) **Question :**

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



So, 120 = 2 x ☐ x 2 x ☐ x ☐

LIVEWORKSHEETS

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 1 ⇨ 1 x 12
Use timetable 2 ⇨ 2 x 4	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 Factors of 8 and 12 = ☐ , ☐ , ☐

Highest Common Factors (HCF) of 8 and 12 = ☐

LIVEWORKSHEETS

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

LIVEWORKSHEETS