Do you know how to find

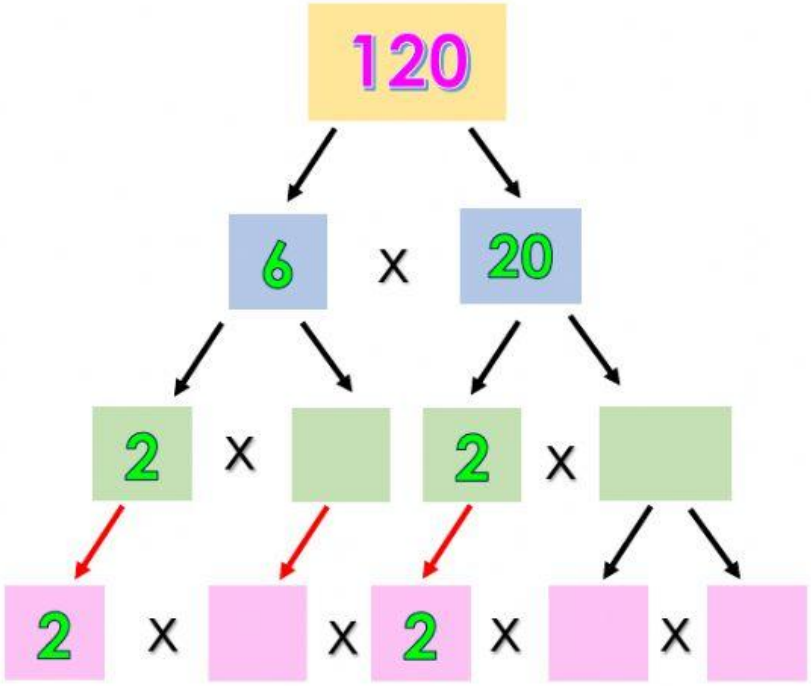
Highest Common Factor or HCF '' ?

Go figure it out smartly !

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 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 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