1	Find the HCF of 65 and 117 and express it in the form 65m + 117n.
2	If the HCF of 210 and 55 is expressible in the form of 210x5 + 55y, find y.
3	If the HCF of 408 and 1032 is expressible in the form of 1032m – 408x5, find m.
4	If the HCF of 657 and 963 is expressible in the form of 657n + 963x(-15), find n.
5	Find the largest number which divides 245 and 1029 leaving remainder 5 in each case.
6	144 cartons of Coke cans and 90 cartons of Pepsi cans are to be stacked in a canteen. If each stack is of the same height and is to contain cartons of the same drink, what would be the greatest number of cartons each stack would have?
7	In a seminar, the number, the number of participants in Hindi, English and Mathematics are 60, 84 and 108, respectively. Find the minimum number of rooms required if in each room the same number of participants are to be seated and all of them being in the same subject.
8	Three tankers contain 403 litres, 434 litres and 465 litres of diesel respectively. Find the maximum capacity of a container that can measure the diesel of the three containers exact number of times.
9	The traffic lights at three different road crossings change after every 48 seconds, 72 seconds and 108 seconds respectively. If they change simultaneously at 7 a.m., at what time will they change simultaneously again?
10	In a morning walk, three persons step off together. Their steps measure 80 cm, 85 cm and 90 cm respectively. What is the minimum distance each should walk so that all can cover the same distance in complete steps?

Complete The Following Factor Tree

11	12