STANDARD 6TH: CHAPTER 9

HCF & LCM

Q.1   Find H.C.F.

   a) 80 & 85   b) 343 & 28   c) 27, 144, 45

Q.2   Find L.C.M.

   a) 24, 27   b) 5, 10, 15   c) 54, 135

Q.3 Find GCD & LCM

   a) 48, 64   b) 88, 198

Q.4 Find GCD of 493, 551 Division method

Q.5   Find max no. of students among whom 100 note books & 140 books can be divided equally.

Q.6   No. of students in a class can be equally divided into groups of 12/15/20. Find min. no. of students.

Q.7   GCD of 2 nos. is 2 & LCM is 90. Find nos.

Q.8   Find max no. of persons among whom 24 guavas, 32 bananas, 12 apples can be distributed equally. Also find how many fruits of each type each will get.

Q.9 Anil can keep amount in the form of notes of Rs. 10, Rs.20, Rs. 50. What's least amount with him?

Q.10   LCM of 2 nos. is 140 & GCD is 14. Find nos.

Q.11 If large sq. beds of equal size are to be made in a farm of plot 18 m long &

15 m wide. What's more possible length of each bed?

Q.12 2 ropes, one 8 m long & another 12 m long are to be cut into prices of same length. Find max length?

Q.13 Students from 5th & 6th class 140 & 196 respectively are to be divided into groups of equal students. Find max possible students in each group.

Q.14   Find HCF of 2610 & 1980 Use division method for big. Nos.

Q.15 HCF of 2 nos. is 400 & sum of those nos. is 6400 find nos. Possible pairs

Q.16 In a school rows are to be made of equal length. Rows of 24, 30, 36 students each can be made. Find min nos. of students in school.

Q.17 Find HCF & LCM of 2/3, 8/9, 16/81, 10/27

Q.18   Find greatest no. which on dividing 1657 & 2037 leaves remainders 6 & 5 respectively

Q.19   Find largest no which divides 62, 132, 237 to leave same remainder in each case

Q.20 Find smallest no. which when divided by 6, 7, 8, 9, 12 leaves same remainder 1 in each case.