Word problems on GCF (HCF) AND LCM

Q1) Two milk tankers contain 450 litres and 600 litres of milk respectively. Find the maximum capacity of a container which can measure the milk of both the tankers when used an exact number of times.

Q2) Find the least number which when divided by 12, 15, 18 and 20 leaves a remainder 5 in each case.

Q3) Find the least number which when divided by 4, 9 and 16 leave remainder 6 in each case.

Q4) Find the smallest 4-digit number which is divisible by 18, 24 and 32.

Q5) Determine the greatest 3-digit number exactly divisible by 7, 9 and 12.

LIVEWORKSHEETS

Q6) Determine the smallest 3-digit number which is exactly divisible by 8, 12 and 16.

Q7) The length, breadth and height of a box are 75cm, 85cm and 95cm respectively. Find the longest tape which can measure the three dimensions of the room exactly.

Q8) In a morning walk, three girls step off together from the same spot. Their steps measure 66cm, 78cm and 90cm respectively. What is the minimum distance each should cover so that all can cover the distance in complete steps?

Q9) Three tankers contain 322 litres, 483 litres and 644 litres of petrol respectively. Find the maximum capacity of a container that can measure the diesel of the three containers exact number of times.

Q10) A girl purchases two bags of sugars of weights 1200 grams and 1600 grams. Find

LIVEWORKSHEETS

the maximum value of weight which can measure the weight of the sugar exact number of times.

HCF and LCM of two numbers is 10 and 60 respectively. One of the numbers is 20, find the other number.

HCF of two numbers is 2 and product of two numbers is 2340. Find the LCM of two numbers.

HCF and LCM of two numbers is 145 and 2175 respectively. One of the numbers is 725, find the other number.

HCF of two numbers is 18 and product of two numbers is 648. Find the LCM of two numbers.

LIVEWORKSHEETS