By: www.thenotes.tk maths home work no.3 duration 1hour

Date:9/4/2010 Friday Maximum marks: 20

Q1)The HCF of (52,320) (1)

a)8 b) 5 c) 1 d)4

Q2)The HCF of (280,674)= ? (1)

a)4 b)14 c)2 d)8

Q3) HCF of (a,b)=12 and axb =1800 then LCM(a,b) = ? (2)

a)150 b)90 c)900 d) 3600

Q4)Prime factorization of 60 is ? (2)

a)6x10 b)2x5x6 c)3x4x5 d)2^2x3x5

Q5)The LCM and HCF of two numbers is 180and 6 respectively. If one of the numbers is 30, find the other number. (2)

Q6) a)The product of two positive integers is equal to the product of their LCM , but is this true for the three or more positive integers (1)

Q6)b)Show that 17x31x41 is a composite number (cbse) (2)

Q7)Find the HCF and LCM of the following integers by applying the prime factorization method and verify that HCF x LCM = product of the 2 numbers (3)

Q8)find the largest number which when divided by967 and 2060 leaves a remainder 7 and 12 respectively. (3)

Q9)show that the number 6^n , where n is a natural number and cannot end with the digit 0(zero) (4)