CBSE Grade 6

Playing with Numbers

Q1) Fill in the Blanks   [1x3=3]

i) A factor of a number is _____ of itself. _____ is the factor of every number.

ii) Divisibility of ____, ____ and ____ can be seen by just the last digit.

iii) A number divisible by two _____ numbers are divisible by their product also.

Q2) Find the HCF of the following numbers   [1x3=3]

i) 213,228

ii)54,72

iii)91,49,112

Q3) What is the HCF of two consecutive   [1x3=3]

i) Numbers?

ii) Even numbers?

iii) Odd numbers?

Q4) Find the least number which when divided by 9,13,15 leave remainder   [2]
7 in each case.

Q5) The traffic lights at three different road crossings change after   [3]
every 52seconds, 74seconds and 109 seconds, respectively. If they change
simultaneously at 7am at what time will they change simultaneously again?

Q6) Angelina purchases two bags of fertiliser of weights 63kg and 77kg. [3]
Find the maximum value of weight which can measure the weight of the
fertiliser exact number of times.

Q7) A boy was asked to find the LCM of 3, 5, 12 and another number. But   [3]
while calculating, he wrote 21 instead of 12 and yet came with the correct
answer. What could be the fourth number?