NEW ERA PUBLIC SCHOOL

MATHEMATICS

CLASS VI

ASSIGNMENT (JUNE- JULY)

Q.1 Write all factors of each of the following numbers.

(i) 24 ii) 300 (iii) 225

Q.2 Write first five multiples of each of the following numbers

(i) 12 ii) 36 (iii) 18

Q.3 Write all prime numbers between

(i) 20 and 40 (ii) 80 and 100

Q.4 Express each of the following numbers as the sum of two odd primes

(i) 45 (ii) 39 (iii) 64

Q.5 Express each of the following numbers as the sum of three odd primes

(i) 63 (ii) 53 (iii) 15

Q.6 Express each of the following as the sum of twin primes

(i) 36 (ii) 84

Q.7 Find prime factorization of each of the following numbers

(i) 1331 (ii) 1024 (iii) 148

Q.8 Find the product using distributive property of multiplication over addition or subtraction.

a) 289 x 1001 **b) 1572 x88 + 1572 x 11 +1572**

c) 4765 x 998 **d) 1987 x 95 + 1987 x 5**

Q.9 Find the product by suitable rearrangement

a) 4 x 345 x 16 x 25 x 625 **b) 698 x 5 x 20**

c) 625 x 279 x 32 x 50 **d) 4 x 80 x 125 x 75**

Q.10 Q9 Find the sum using associative property

a) 545 + (346 + 113) **b) (67 + 78)+ 42**

Q.11 Find the HCF of the following numbers using prime factorization method

(i) 72, 144 and 252 (ii) 60 and 72 (iii) 225, 1125 and5625

Q.12 Determine the HCF of the following numbers by division method

(i) 675, 900 **(ii) 615, 1599** **(iii) 180, 252, 324**

Q.13 Determine the LCM of the numbers given below

(i) 48, 72 and 84 **(ii) 28, 36, 45 and 60** **(iii) 12, 24, 36 and 54**

Q.14 The LCM and HCF of two numbers are 6055 and 173 respectively. If one of the numbers is 267, find the other.

Q.15 The LCM of two numbers is 525 and 945 is 4725. Find their HCF.

Q16 Express

a) 3 months as a fraction of 1 year **b) 40g as a fraction of 1 kg**

c) 35p as fraction of 1 rupee **d) 2 scores as a fraction of 1 century**

Q17 Find the equivalent fraction of (i) $\frac{4}{5}$ **(ii)** $\frac{3}{7}$

Q18 Represent the following fractions on number line (i) $\frac{1}{3}$ **(ii)** $\frac{4}{5}$ **(iii)** $\frac{5}{7}$

Q19 Find equivalent fractions of $\frac{40}{48}$ **with:**

a) Numerator = 5 **b) Denominator = 12**

Q20 Anu plays for ⅘ of an hour while Richa plays for ⅗ of an hour. Who plays for more time?