Strive for Perfection

TIME: 3 HRS   **SUBJECT : MATHEMATICS**   **M.M:80**

1. Choose the correct option.   (12x1=12)

(a) We start from the ones period and move left to the thousandsperiod and finally the millions period.Each period has ____ places.
(i) one   (ii) two   (iii) three   (iv) our

(b) Place value of a digit in a number depends on the ____it occupies in the number .
(i)place   (ii) face value   (iii) period   (iv)number itself

(c) The product of two numbers does not change with and change in the order of the numbers. This is the ____ of multiplication.
(i) commutative property   (ii)distributive property   (iii)associative property

(d) 72 x (50x8) =(72 x50)s__.
(i) 58   (ii) 8   (iii) 72   (iv) 50

(e) When 0 is divided by any number the quotient isalways ___.
(i) less than 1   (ii) number itself   (iii) 1   (iv) 0

(f) The fraction that has __ as the numerator is called a unit fraction.
(i) 2   (ii) 1   (iii) 0   (iv) 11

(g) Nitya,Anaya and Angel each had a chocolate bar of same size. Nitya broke her chocolate into quarter ,Anaya broke her chocolate into sixths, Angel broke her chocolate into thirds.Who broke her chocolate into the largest sized pisces?
(i) Nitya   (ii) Ananya   (iii) Angel   (iv) all of these

(h) The algorithm is very useful while checking the answer in ___.
(i) subtraction   (ii) addition   (iii) division   (iv) multiplication

(i) $1\frac{9}{10}$is a /an ____ fraction.
(i) mixed   (ii) proper   (iii) improper   (iv) unit

(j) What fraction of a year is 5 months ?
(i)$\frac{1}{2}$ (ii)$\frac{1}{5}$ (iii)$\frac{5}{7}$ (iv)$\frac{5}{12}$

(k) Reciprocal if a numbers is __ fraction.
(i) proper   (ii) improper   (iii) unit   (iv) mixed

(l) 5+10÷ 5 ×3 – 6 equals to ____.
(i) 6   (ii) 5   (iii) 4   (iv) 2

2. Fill in the blanks. (Do any ten)   (10x2=20)

(a) Descending order means arranging numbers from the greatest to the _____.

(b) _____ = Divisor × Quotient + Remainder.

(c) The fractions that represent The same value are called _____ fractions.

(d) The reciprocal of $\frac{53}{4}$

(e) To write the smallest number using the given digit,wearrange the given digits in ____ order.

(f) The first three equivalent fractions of $\frac{3}{4}$are ___,__,___.

(g) _____÷ 35 = 0.

(h) $\frac{24}{25} \times \frac{35}{36}$= ____.

(i) Round off the number 999978 to the nearest hundreds is ____.

(j) Compare the fractions ,and put sign <,>or =

(k) $2\frac{1}{8}$ ___ $2\frac{1}{6}$

(l) Division by ___ is not possible

(m) When the two numbers have the same number of digits ,we start comparing the digits from the ____ place.

3. Solve the questions. (Do any six) (6x4=24)

(a) Simplify using DMAS rule : 75 ×3 +48 ÷4 –108.

(b) Multiply: 4225×2805.

(c) Reduce the fraction $\frac{112}{92}$ to the lowest terms.

(d) Write each of the following numbers in words in indian place value system:

(e) 635154420 (ii) 887217115

(f) Divide : $\frac{18}{36}$ by 12.

(g) Arrange in ascending order.

(h) $\frac{7}{16}, \frac{1}{4}, \frac{11}{12}, \frac{17}{24}$

(i) Write the greatest 8–digit number in figures and in words.

(j) $\frac{8}{9} \times \frac{4}{5} \times 2\frac{1}{3}$ (Multiply the fractions)

4. Solve the questions. (Do any four) (4x6=24)

(a) A milk booth sells 448 litres milk daily .What quantity of milk will it sell in 4 years?

(b) $\frac{4}{9} + \frac{7}{24} + \frac{23}{36}$ (Add it)

(c) Divide and check your answer: 9219 ÷5838.

(d) Zahir ate $\frac{2}{3}$ of a cake .If the total weight of cake was $2\frac{1}{2}$ kg .What was the weight of cake that Zahir ate ?

(e) Write the following in figures :

(f) Seventy –one crore eighty –six lakh forty – seven thousands one hundred five.

(g) One hundred five million four thousand nine hundred ninety –nine

(h) 1526 books can be packed in each cardboard box. How many such boxes are required to pack 6,48,550 books ?