ANANDALAYA
SUMMATIVE ASSESSMENT - 1
Class : VI

Subject: MATHEMATICS   M.M: 50
Date   : 19/09/2016   Time: 2 Hours

Q1.   Starting from the greatest 5 digit number, write the previous three numbers.   (1)

Q2.   Find the value of : 4385x175 - 4385x75 using suitable properties.   (1)

Q3.   Where will the hand of the clock stop if it starts at 4 and makes ¼ revolution clockwise?   (1)

Q4.   Write four negative integers less than -8.   (1)

Q5.   Find the sum of : (-8) + (-6) + 5   (1)

Q6.   Use the number line and add   (-9) + 4   (1)

Q7.   Write the digit in the blank space so that the number formed is divisible by 4   (1)
        83961__

Q8.   Calculate: $\frac{2}{15} + \frac{11}{15}$ (1)

Q9.   Fill in the blanks.   (2)
        a) One crore = _____ lakh
        b) 1,00,000 − 1 = _____
        c) 5 x 10,000 + 2 x 1000 +   3 x 100 + 4 = _____
        d) the greatest 4 digit number by using the digits 3 ,8 ,9 is _____

Q10.   State whether the following statements are True or False.   (2)
        a) All natural numbers are whole numbers.
        b) The successor of all 2 digit number is always a 2 digit number.
        c)   0 is the smallest natural number.
        d) 17 + 25 = 25 + 17 is the commutative property of addition over whole numbers.

Q11.   Look at the given figure and answer the   (2)
        following.
        a) Name one pair of opposite sides.
        b) Name one pair of adjacent angles.

Q12.   a) Reduce $\frac{12}{68}$ to its simplest form.   (2)
        b) What fraction of an hour is 20 minutes?

Q13.   Observe the given figure and write what   (2)
        type of an angle is :
        a) ∠BOC   b) ∠AOB
        c) ∠EOB   d) ∠EOC

Q14.   Using Test of Divisibility determine if 76109803 is divisible by 11?   (2)

Q15. Express 1080 in the form of its prime factors. (2)

Q16. Identify three triangles in the figure and write the names of six line segments in the given figures. (2)
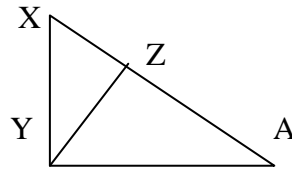
Q17. Find the Value of the following: (3)
a) $40 - (17)$ b) $(-30) - (-5)$ c)$(-6) - (-9)$
d) $(-10) + (+7)$ e) 4 less than -2 f) 5 more than -1

Q18. State whether the following statements are True or False : (3)
a) In a trapezium, both the pairs of opposite sides are equal.
b) There are 2 curved edges in a cylinder.
c) In a rhombus, the measures of all angles are equal.
d) Triangular pyramid has 4 faces.
e) In a parallelogram, diagonals are of equal length.
f) In a square, diagonals are perpendicular to each other.

Q19. Observe the following figure and answer the following: (3)
a) Name line containing point F
b) Name line passing through point G
c) How many lines are passing through point E and point A?
d) Name one pair of parallel lines.
e) Name one pair of intersecting lines.
f) Name line on which point E lies.
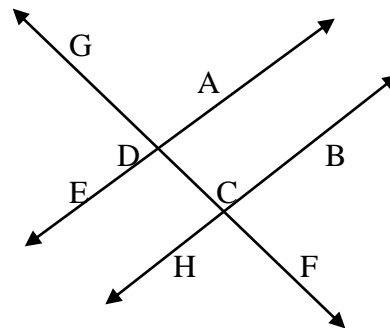
Q20. a) Find the sum by suitable rearrangement: $653 + 82 + 198 + 347$. (3)
b) Find the product by suitable rearrangement: $8 \times 766 \times 125$.
c) Estimate the product 76×342.

Q21. Fill in the blanks: (3)
a) $\frac{1}{5} + \frac{0}{5} =$ ----------

b) $\frac{24}{27} = \frac{8}{\_}$

c) (-8)_____(-12) Use $<$ or $>$

d) Successor of the greatest negative integer is _____
e) The predecessor of -13 is _____
f) If you move from -8 to -1 on a number line, you will move in _____ direction.(left , right)

Q22. Shekhar had 7 ¾ m of long rope and he had cut $2\frac{5}{6}$ m of rope. Find the length of rope remaining with him. (3)

Q23. a) Ram purchases three bags of sugar of weights 70kg, 105kg and175kg. Find the maximum value of weight which can measure the weight of the sugar in exact number of times. (4)
b) Find the least number which when divided by 6, 8, 10 leaves a remainder 3 in each case.

Q24. a) Draw a figure and label suitably for the following: (4)
  i) Point R lies on QP.   ii) AB and CD intersect at P.
  iii) Line m contain and H but not I.   iv) WX and Y meet at point M.
 b) Observe the measures of the sides or angles of the triangles given below & name the type of the triangle.
  i) Triangle with lengths of side 3cm, 4cm, 5cm.
  ii) In ΔLMN, ∠M = 90º , ∠L = 30º and ∠N = 60º