 Class & section: V\_\_\_\_\_ Summative Assessment I September 2016 Time: 1 ½ hours

Roll No : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Marks Obtained :

Name of the Student : \_\_\_\_\_\_\_\_\_\_\_\_\_\_Total Marks : 40

Signature of the invigilator : \_\_\_\_\_\_\_\_\_\_\_ MathematicsSignature of the evaluator:\_\_\_\_\_\_\_\_

I. Choose the correct answer: [ ½ X6=3 ]

1) When ‘1’ is added to 3-digit greatest number, we get \_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

a) 10 b) 100 c) 1000 d) 10,000

2) 12 is a factor of \_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

a) 117 b) 45 c) 108 d) 86

3) Quarter is represented in fraction as \_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

a) b) c) d)

4) The least composite odd number is \_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

a) 3 b) 5 c) 7 d) 9

5) The number of prime numbers between 20 & 30 are \_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

a) 2 b) 3 c) 4 d) 5

6) A circle has \_\_\_ radii. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

a) two b) three c) ten d) infinite

II . Fill up the blanks: [½ X6=3 ]

1) In 98765, the place value of 8 is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2) The lowest form of 24/56 is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3) The diameter of the circle when its radius is 3cm is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4) Mixed fractional form of is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5) In the adjoining figure, the measure of angle between two hands of the clock is \_\_\_\_\_\_\_

6) The difference between 26,683 and 40,000 is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

III. Match the following: [½ X6=3 ]

A B

1) Acute angle is equal to 1800 \_\_\_\_\_\_

2) Right angle is lesser than 3600 and greater than 1800 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3) Obtuse angle is equal to 00 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4) Straight angle is equal to 900 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5) Reflex angle is lesser than 1800 and greater than 900 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6) Zero angle is lesser than 900  and greater than 00 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

IV. Complete the analogy: [ 1X4=4 ]

1) of 21 : 6 : : of 36 : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2) Divider : To measure the length of line segment : : Compasses: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3) The common factor of 18 and 21 : 3 : : The common factor of 63 and 70 : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4) 531X100 : 53100 : : 63600 100 : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

V. Re-write the false statement : [1X4=4 ]

1) The predecessor of 60,000 is 69,956.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2) When zero is added to any number, then the sum will be zero.

3) A number which divides the given number completely without leaving any remainder is Multiple.

4) The fraction which has one in the numerator is known as proper fraction.

VI. Name the following: [ 1X4=4 ]

1) The fractions obtained by multiplying both numerator and denominator for the given fraction

by a same number other than zero.

2) The instrument used to measure an angle.

3) A number which has only two factors.

4) The distance between the centre of a circle and a point on the circle.

VII . Answer as directed: [ 1X7=7 ]

1) Complete the series: 15,790 ; 35,790 ; 55,790 ; \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ & \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

2) The sum of two numbers is 87,065. If one number is 49,726. Find the other number.

3) Write the expanded form of 38,204.

4) Arrange these numbers in ascending order: 42,306 ; 24,603 ; 42,603 ; 24,306

5) Name the angle and arms in the given figure

6) Insert comma and write 98342 in words.

7) Complete the factor tree:

VIII . Do as directed: [ 2X3=6 ]

1) (i) Form the greatest and smallest 5-digit numbers using the digits 6,2,0,9 and 7.

(ii) Compare using the signs [ >/ < / = ] a) 74,312 \_\_\_\_\_\_ 73,412

b) 58,976 \_\_\_\_\_\_58,967

2. Draw a line segment PQ=5cm and construct two angles of 50 and 140 at P and Q respectively.

IX. Do as directed: [3X2=6 ]

1) Construct a circle of radius 5cm and represent centre, radius, diameter and chord.

2) Mrs. Taniya has Rs. 52,500 in her bank account, she deposited Rs. 15,200 on Monday ,

Rs. 25,120 on Thursday and withdrew Rs. 30,250 on Saturday. Find her bank balance after

transactions.

 Class & section: VI\_\_\_\_\_ Summative Assessment I September 2016 Time: 2 ½ hours

Roll No : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Marks Obtained :

Name of the Student : \_\_\_\_\_\_\_\_\_\_\_\_\_\_Total Marks : 80

Signature of the invigilator : \_\_\_\_\_\_\_\_\_\_\_ MathematicsSignature of the evaluator:\_\_\_\_\_\_\_\_

I . Choose the correct answer **:** [1X10=10]

1. 1 Billion = ------- crore ------------------------

a. 10 b. 100 c. 1000 d. 10000

2. The symbol used to denote integers is ------ ----------------------

a. N b. W c. Z d. R

3. Every circle has ----- centre. ----------------------

a. 1 b. 2 c. 3 d. 4

4. 12965 13000 is estimated to ---- place . ---------------------

a. tens b. hundreds c. thousands d. ten thousands

5. 2 X 8 = 8 X 2 is --------- property of multiplication ----------------------

a. closure b. commutative c. associative d. distributive

6. In Indian number system , the next place after ten crore is --- ----------------------

a. million b. billion c. hundred crore d. thousand crore

7. The additive inverse of – 10 is ---- ---------------------

a. 10 b. 10 c. 1 d. +1

8. The predecessor of 589630 is --- ---------------------

a. 589631 b. 589632 c. 589628 d. 589629

9. The smallest 6-digit number is ----- ---------------------

a. 100000 b. 1 lakh c. both a & b d. 10,00,000

10. A triangle has ---- vertices ---------------------

a. 1 b. 2 c. 3 d. 0

**II.** Fill in the blanks [1X8=8]

1. The greatest negative integer is -----------------------------------------

2. The product of any number and zero is always ---------------------------------

3. The sum of two whole numbers is always --------------------------------------------

4. The number of radii that can be drawn to a circle are -------------------------- -------------

5. A line segment drawn from a vertex of a triangle to the midpoint of its opposite side is called----------

6. The successor of – 92 is ------------------------------------------

7. The perimeter of a circle is also known as --------------------------------------

8. All counting numbers are called ------------------------------------------------

III. Name the following [1X5=5]

1. The line segment joining the opposite vertices of a quadrilateral.----------------------------

2. The region enclosed by an arc and a pair of radii. ------------------------------------------------

3. The series of numbers obtained by adding odd consecutive numbers. ------------------------------

4. The boundary which is made up of straight lines . --------------------------------------------------------

5. A closed plane figure bounded by three line segments. ----------------------------------------------------

IV. Rewrite the false statements correctly: [ 1X5=5]

1. In Roman numbers the value of ‘D’ is 50.

2. The product of two negative integers is always negative.

3. ‘Zero ’ is the multiplicative identity element.

4. Every chord of a circle is diameter.

5. The sum of three interior angles of a triangle is equal to 3600.

V . Complete the analogy [1X5=5]

1. 10,00,000 : Ten lakh : : 10000: ---------------------------------

2. S : open curve : : : -------------

3. ,3,5,……… : negative odd integers : : 2,4,6 ………… : ---------------

4. : 9 triangles : : : -----------------------

5. diameter : 2r : : radius : ---------------------------------

VI. Do as directed [ 1X10=10]

1. Write the shortest from of 8X100000 + 3X10000 + 5X100 + 7X10 + 9X1.

2. Observe the number line and find the sum.

3. Define a chord.

4. Subtract 5-digit smallest number from 6-digit smallest number.

5. Write the triangular numbers between 1 and 20.

6. In the adjoining figure, find the adjacent angles. 7. How many circles are in the given figure?

8. Write 428 in Roman numerals. 9. In the adjoining figure, what does AP

10 . How many minimum points are required to draw a line segment?

VII Do as directed: [ 2X10=20]

1. Write the difference between place value and face value of 9 in 89634.

2. Insert comma and write the number name in International number system for 8600210745.

3. Estimate the sum to thousands place: 42990 + 20453.

4. Add using number line for 3+(-5).

5. In the given quadrilateral mention the points that lie in the.

a) Interior of PQRS :

b) Exterior of PQRS:

6. Simplify: 4 + 4 4 X 4 – 4.

7. Form the greatest and smallest 6-digit number using 5,8,6,0,2. Repeat the odd number twice.

8. In a district there are 25,780 primary school students , 12,697 high school students and 3498 PU

Students. How many students are getting education from primary to PU classes altogether?

9. Follow the pattern and complete the next two steps

= 121

= 10201

= 1002001

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10. Draw any triangle and mention its sides, angles, vertices and also shade its interior part

IX. Answer as directed : [ 3X3=9]

1. Write any three differences between line and ray.

2. Verify distributive property for a=12, b=3 and c=5.

3. In the given quadrilateral, name the following:

a. Two pairs of opposite sides: -----------------------------------------

b. Two pairs of adjacent sides: -------------------------------------------

c. Diagonals.: -----------------------------------------------------------------

X . Solve: [ 4X2=8]

1. A biscuit factory produces 6120 packs of biscuits in a day. How many packs of biscuits are produced

in 6 days at the same rate? These packs are sealed in boxes by filling 20 packs in each box.

How many boxes are required to fill all these packs of biscuits produced in 6 days?

2. a. In the given circle, name the following:

i. The shaded portion AOB is a ---------------

ii. is an --------------------

iii. KMLK represents -----------------------------

iv. Diameter is -------------------------------------

b. Draw a circle of radius 3.5 cm and mark E,F and G on the circle.

 Class & section: VII\_\_\_\_\_ Summative Assessment I September 2016 Time: 2 ½ hours

Roll No : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Marks Obtained :

Name of the Student : \_\_\_\_\_\_\_\_\_\_\_\_\_\_Total Marks : 80

Signature of the invigilator : \_\_\_\_\_\_\_\_\_\_\_ MathematicsSignature of the evaluator:\_\_\_\_\_\_\_\_

I. Multiple choice questions: [ 1X10=10]

1. The identity element of multiplication is ------ ----------------------------- [0, 1 ,1, any number ]

2. The quotient obtained when (42) is divided by (7) is --- ---------------------------- [ +6, 7, 6, +7]

3. The mixed fraction form of is ----- ----------------------------

[3, 4 ]

4. The coefficient of x in 2xy is ---- --------------------------

[ 2, 2x, 2xy, 2y]

5. The product of 2x and (8xy) is ---- -------------------------

[ 16x22xy, 16x22xy, 16x2+2xy, 16x2+2xy]

6. represents ---- -------------------------

[ straight line, line segment, angle, a ray]

7. A pair of angles with same measurement on the same place are called ---------------------------

[ adjacent angles, congruent angles, complimentary angles, supplementary angles]

8. The number of angles formed when a transversal is drawn to a pair of lines is ---------------------

[ 4, 6, 8, 10]

9. The polynomial in the following expressions is ---- ------------------------------

[ y2+xy 1/2, , 5r-2, 2p2+q]

10. The expression to be added to (2x+6y) to get (10y+6x) is ------ -----------------------------

[ 8x+2y, 4x+4y, 6x+2y, -4x+4y]

II. Fill in the blanks: [1X10=10]

1. The product of (-6) and (-7) is -----------------------------------------------

2. The sum of two negative integers will have --------------------------------sign

3. The identity element for addition is -----------------------------------------------

4. The algebraic coefficient in 4mn in ---------------------------------------------------

5. The supplementary angle of 850 is ----------------------------------------------------

6. The improper fraction form of 3 is --------------------------------------------

7. The product of 2x, 3x & 4x is -------------------------------------------

8. The lowest form of is ----------------------------------------

9. The value of of 56 is ------------------------------------------

10. The difference obtained when 7x+4y is subtracted from 12x+6y is ------------------------------------

III**.** Match column A with B: [ 1X4=4]

A B

1. 0.15 100 0.015 ---------------------------

2. 0.15 X 100 150 --------------------------

3. 1.5 X 100 0.0015 ----------------------------

4. 1.5 100 15 ---------------------------

0.15 ----------------------------

IV. Do as directed : [1X11=11]

1. Write the decimal form of . 2. Simplify (3) x [8+5] using appropriate

property.

3. Check whether the given rational numbers are 4. Multiply and write the product in simplest

equivalent or not: d form: x

5. Find the sum of 6y, 7x, 3y, 4y and 4x. 6. Identify the base and exponent in (y)10

7. Subtract 15ab from 8ab. 8. Find the missing angles in the given figure.

9. What are adjacent angles?

10. Write the algebraic expression for the given statement ‘ Five times y is subtracted from ten’.

11. Represent on the number line.

V. Complete the analogy : [1X5=5]

1. : monomial : : 5r2 + 12p + 9 : ----------------

2. 2.544………… : non-terminating decimal : : 3.57 : ------------------

3. : : : : ------------------------------------

4. : Perpendicular line : : :----------------

5. Additive inverse of : : : Multiplicative inverse of : --------------

VI. Answer as directed : [ 2X8=16]

1. The cost of a pen is Rs. 8 and that of a pencil is Rs. 5. Find the total cost of a dozen pens and half

dozen pencils.

2. Write any 4 rational numbers between 3. Group the following into like and

3 and 4 unlike terms : 7ab, 6bc, 8ba, 2ca,

3ab, 2abc, 4ab, 2a2b

4. Write four equivalent rational numbers of 5. What do the following represent in the given

figure? a. 4 and 5

b. What is the relation between them?

6. Find the product of (2x7) and (3x3) 7. Identify and write the following from the given

figure:

A] a linear pair

B] a pair of V.O.A

C] a pair of supplementary angles

D] a pair of complementary angles

8. A thin rectangular sheet of metal has 3 ½ m length and 2 ½ m breadth. Calculate its area.

VII. A] Do as directed : [ 3X4=12]

1. Simplify: 3 + + 1 .

2. In a class of 42 students, of them practiced volley ball, of them practiced karate and the

remaining practiced throwball. Find the number of students:

1. Who practiced volleyball
2. Who practiced karate
3. Who practiced throwball

3. Find the value of x, y and z in the given figure:

4. Simplify:- + x

B] Answer as directed: [4x3=12]

1. Draw and a transversal intersecting at R and at S. Identify and

write a pair of corresponding angles and a pair of alternate angles

2. State commutative property and associative property of integers over addition and multiplication

and give an example for each.

3. (a) What should be added to (9m2n212xy+10) to get (15m2n2 10xy)?

(b) Find the sum of (5a2+2a3) , (2a2+3a+1) and (3a24a+5)