

**INTERNATIONAL INDIAN SCHOOL, RIYADH**

**SUMMATIVE ASSESSMENT-I, 2014 - 2015**

CLASS VI

SUB: MATHEMATICS

MAX. MARKS: 90

TIME: 3 hrs

**I. FILL IN THE BLANKS.**

[ 1x10=10]

1. A number which has more than two factors is called \_\_\_\_\_.
2. The value of  $\frac{5-5}{2}$  = \_\_\_\_\_
3. A \_\_\_\_\_ is a three sided polygon.
4. The Roman numeral for 45 is \_\_\_\_\_.
5. If a number is divisible by 2 and 3, it is divisible by \_\_\_\_\_.
6. The only even prime number is \_\_\_\_\_.
7. A collection of numbers gathered to give some information is called \_\_\_\_\_.
8. A quadrilateral has \_\_\_\_\_ sides.
9. The Roman numeral **M** represents the number \_\_\_\_\_.
10. The sum of two consecutive odd numbers is divisible by \_\_\_\_\_.

**II. CHOOSE THE CORRECT ANSWER.**

[ 2x5=10]

1. The difference between the greatest two digit number and the least two digit number is \_\_\_\_\_.  
[ 98 , 89 , 99 , 10]
2. The prime factorization of 36 is \_\_\_\_\_.  
[ 3x3x4 , 2x2x3x3 , 2x3x6 , 1x4x9 ]
3. The greatest factor of 98 is \_\_\_\_\_.  
[ 980 , 49 , 98 , 1 ]

4. When 459 is rounded off to the nearest hundreds, we get

\_\_\_\_\_.  
[ 460 , 400 , 500 , 450 ]

5. A simple closed curve which is not a polygon is \_\_\_\_\_.

[ triangle , square , circle , rectangle ]

### III. DO THE FOLLOWING.

[ 2x10=20]

1. Write the four whole numbers occurring just before 10500.

2. Find the product by suitable re-arrangement.

$$4 \times 8325 \times 25.$$

3. Find the first four multiples of 13.

4. Express 34 as the sum of two odd primes.

5. Using divisibility test, determine whether 1756 is divisible by 4 or not.

6. Find the HCF of 24 and 36.

7. Write all prime numbers less than 20.

8. Draw a quadrilateral ABCD. Draw its diagonals and name them.

9. Find the value using suitable property:

$$304 \times 56 + 304 \times 44 .$$

10. Write true or false.

a) Every chord of a circle is the diameter of the circle.

(\_\_\_\_\_).

b) The sum of any two odd numbers is an even number.

(\_\_\_\_\_).

### IV. DO THE FOLLOWING.

[3x10=30]

1. Give three pairs of prime numbers whose difference is 2.

2. Find the sum by suitable re-arrangement:  $247 + 460 + 753$ .

3. Write all the factors of 45.

4. 5250 oranges are packed equally in boxes containing 45 in set-A each box. How many boxes are there? After filling all the boxes, how many oranges are left?

5. Find the smallest digit and the greatest digit of the following number so that the number formed is divisible by 3.

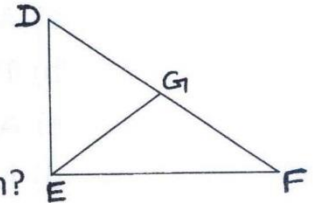
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6. In the given figure,








a) Identify three triangles.

b) Write the names of six line segments.

c) Which two triangles have  $\angle F$  as common?



7. Observe the following pictograph and answer the following questions.

Days	No. of bulbs	 = 5 bulbs
Monday		
Tuesday		
Wednesday		
Thursday		
Friday		
Saturday		

a) On which day, the maximum number of bulbs were sold?

b) How many bulbs were sold on Friday?

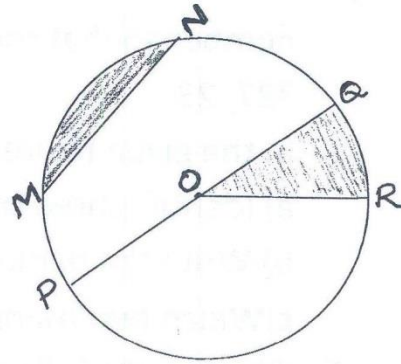
c) How many more bulbs were sold on Monday than on Tuesday?

8. Find the least number which when divided by 6, 9, 15 leave remainder 4 in each case.

9. Use divisibility test to check whether 345816 is divisible by 8 or not.

10. Find using distributive property:  $528 \times 105$

1. Determine the greatest 3-digit number which is exactly divisible by 8, 15, 20.
2. From the figure, identify
  - a) A diameter
  - b) Three radii
  - c) A segment
  - d) A sector



3. Write the smallest 4-digit number and express it in terms of prime factors.
4. Use divisibility test to check whether 637549 is divisible by 11 or not.
5. Total no. of students of a school in different years is shown in the following table.

Year	2000	2001	2002	2003	2004
No. of students	550	800	850	1000	1100

Prepare a bar graph.

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