I FORMATIVE ASSESSMENT (I U.T)

2017-2018

SUBJECT: - MATHS

STD: - VII TIME:-

DATE: - MARKS: - 2O

Q.1A] Fill in the blanks (2)

1. The sum of the measure of angle in a linear pair is_____.
2. _____ is neither a prime nor a composite number.
3. The number which have only 1 as their common factor are called _____
4. Circles of equal _____ are congruent circles.

B] Choose the correct option for each of the following question. (2)

1. If the HCF of two numbers is 2, then they must be _____ numbers.

A] even B] consecutive even C] odd D] odd consecutive.

2. If m A $=30^0$, A B and B C, then m C =

A] 30^0 B] 60^0 C] 90^0 D] 50^0

3. Two rays which have a common origin and form a straight line are said to be __

A] opposite angles B] opposite rays C] vertically opposite angles D] rays

4. The smallest prime number is ____

A] 3 B] 5 C] 2 D] 7

C] Do as directed(6)

1.Write twin prime numbers from 1to 15

2. Find the measure of the complementaryangle to the given angle: - 50^0

3. Solve: (9) × (- 6)

4. Draw the pair of adjacent angle which is not in linear pair.

5. Factorise the number into primes: 57

6. Find the greatest common divisor of the given number: 51, 27

Q.2A] Solve the following (Any, 2) (4)

1. Find the HCF and LCM of 18, 32

2. $(x- 40)^0$ and $(x+ 30)^0$ are the measure of supplementary angles. Find the measure of angle.

3. Find the HCF by division method and reduce into simplest form $^{66}/_{225}$

B] Solve the following. (Any, 2) **(6)**

1. The HCF and LCM of two numbers are 12 and 240 respectively. If one number of the number is 48 then find the other number.

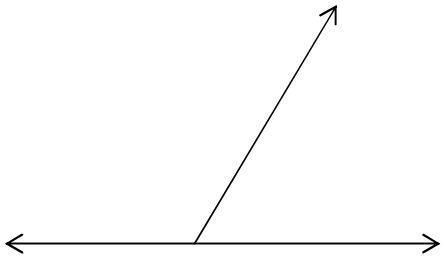
2. Observe the adjacent figure and answer the following question.

1. Write the names of the angles in the figure alongside.

2. What type of a pair of angle is it?

3. Which arms of the angles are not the common arms?

4. m PQR = _____ and m RQS =_____



3. Construct triangle of the measure given below.

In $\triangle$ XYZ l(XY) = 7.3cm, m X =34^0, m Y =95^0.