# GOVT.KARNATAKA PUBLIC SCHOOL .SRIRAMPURA

Hosadurga tq.   Dt:30/ 09/2019   Chitradurga dt.

First summative assessment. September – 2019.

Class :8th Sub: Mathematics. Time :1:30 Hour.   Marks:40

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I **Multiple choice questions (select correct Answer)**   **8 x 1 = 8**

1) Normal form of (7 x 1000) + (6 x 1) is ....

    (A)   706   (B)   7006   (C)   761   (D)   7061

2) $\sqrt{1764}$ = ...

    (A)   38   (B)   43   (C)   41   (D)   42

3)   (a –b)^2 =...

    (A) a^2 + b^2 + 2ab   (B) a^2 - b^2 - 2ab   (C) a^2 - 2ab+ b^2 (D) a^2 - ab + b^2

4) Father of Geometry is ....

    (A) Euclid   (B) Pythagorus   (C) Archemedes   (D) Apollonius

5) If pq = 18 and p + q = 11 then p and q respectively are

    (A) 8 , 1   (B)   9 , 2   (C) 6 , 3   (D)   7 , 4

6) In a given ΔABC , if ∠A = 55° and $\angle B = 40^o$, then ∠C = ...

    (A)   55°   (B)   40°   (C)   85°   (D)   95°
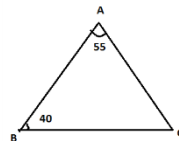
7) Identity elements for addition and multiplication respectively are

    (A)   + , x   (B) 0 , 1   (C)   1 , 0   (D) 1 , 1

8) If $\frac{x}{5}$ = 12 , then the value of x is ....

    (A)   5   (B)   12   (C) 60   (D)   17

II Very short answer questions   **4 x 1 = 4**

9) Find the digits represented by the letter.

$$\begin{array}{ccc} & 1 & 6 \\ + & 2 & A \\ \hline B & & 1 \\ \hline \end{array}$$
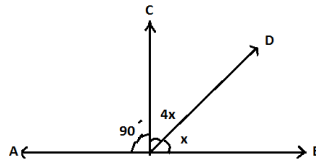
10) Write the divisibility rule by 6 .

11) Find the product of (5x + 8) 3x
12) Identify the property in the following statement
    2 + (3 + 4) = (2 + 3) + 4

III Short answers questions   **7 x 2 = 14**

13) Find the square of 72 by using suitable identity.
14) Add 5a + 3b , a – 2b and 3a + 5b
15) Find the value of x in the following diagram

16) Factorise : $x^2 - x - 72$.
17) What are :   (i) Axioms   (ii) Postulates
18) Write down ten rational numbers , which are equivalent to $\frac{5}{7}$ and the
    denominator not exceeding 80
19) Simplify : $(3x^2 + 2x) (2x^2 + 3)$

IV Long answer questions   **3 X 2 = 6**

20) Using the numbers from 5 to 13 , construct 3 x 3 magic square .what is the
    magic sum here ? What relation is there between the magic sum and the
    number in the central cell ?
21) In the adjacent triangle ABC . find the value of x and calculate the measure
    of all the angles of the triangle ?
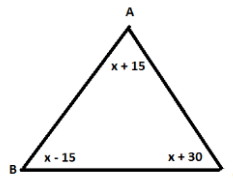
IV Long answers questions   **4 X 2 = 8**

22) Prove that " In any triangle the sum of the three interior angles is 180⁰.
23) Find the nearest integer to the cuberoot of   331776.