MATHS

BOOKS - VGS PUBLICATION-BRILLIANT

SUMMATIVE ASSESSMENT

Summative Assessment

1. Find the square root of 121 using division method.

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2. If $A = x + y$ and $B = x - y$ find A+B

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3. Simplify $2^3x \times 2 \times x2 \times x2^2$

4. $2x(3 + 4y) = 6x + 4y$ Is this statement true? If not,

rewrite the correct statement.

5. Anwik said: There is one line of symmetry for the letters "S".

Do you agree with him justify your answer

6. Express 0.010203 in the standard from.

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7. Write $1.\overline{1}$ in the form of $\dfrac{p}{q}$

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8. Find the median of first 10 prime numbers.

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9. Compound ratio $3:5$ and $P:7$ is $12:35$ Find the value of 'P'.

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10. Construct a dilation with scale factor 2, of a triangle using only a ruler and compasses.

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11. Find the smallest number by which 2116 must be multiplied to obtain a perfect cube ?

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12. Three times a number increased by 2 equals 29. Find the square root of that number.

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13. A cuboid is 12cm length, 10cm breadth and 'a' cm high. If 15 cubes of edges 4cm, Can be made from this cuboid. Find the value of 'a'.

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14. Simplify :

$$(x - 2y)(x^2 - 2y) + (y + 2x)(x^2 + 4y) - (3x - 2y)(x^2 - 4y)$$

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15. Mid day meal rice weighing 45kg. is needed for 20students for 15days what is the weight of rice required for 10 students for 30days.

16. Find $(x + y) \div (x - y)$ if $x = \dfrac{3}{4}$, $y = \dfrac{1}{2}$

17. An employee's salary is increased by 4% every year. His present salary is Rs.6250. How much will be his salary after 2 years ?

18. Construct Quadrilateral GAME with GA=5cm, AM = 5.5 cm, EG=6cm, GM = 6.5cm and AE = 7cm and write steps of construction.

19. Express 1 litre in Cu Cm, 1 litre =__ Cu. Cm

    A. 10 Cu Cm

    B. 100 Cu Cm

    C. 1000 Cu Cm

    D. 10000 Cu Cm

Answer:

20. $(10)^2 - 2(10)(1) + (1)^2$ = __

A. $(10 - 1)^2$

B. $(10 + 1)^2$

C. $(10 - 2)^2$

D. $(10 + 2)^2$

Answer:

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21. Number of painters varies inversely to the numbers of days, symbolically, this is expressed as

(No of painters = N_p & No. of days = N_d)

A. $N_p \propto N_d$

B. $N_p \propto \dfrac{1}{N_d}$

C. $\dfrac{1}{N_p} \propto \dfrac{1}{N_d}$

D. $N_d \propto N_p$

Answer:

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22. Angles in an isosceles Right triangle are

A. $90°, 30°, 60°$

B. $90°, 30°, 30°$

C. $60°, 60°, 60°$

D. $90°, 45°, 45°$

Answer:

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23. Oder of rotation of a square

A. 4

B. 3

C. 2

D. 1

Answer:

24. Range of the data 3, 2, 1, 6, 8, 7 and 10 is

A. 10

B. 1

C. 9

D. 5

Answer:

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25. If a, b and c are Pythagorian triplet, which of the following

statement is true ?

A. $a^2 + b^2 = c^2$

B. $a^2 = b^2 = c^2$

C. $a^2 + b^2 > c^2$

D. $a^2 + b^2 < c^2$

Answer:

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26. Linear equation in the following Equations is ?

A. $2x + y = 4^2$

B. $2x^2 + y^2 = 4^2$

C. $2x^2 + y = 4$

D. $2x + y^2 = 4$

Answer: