WORKSHEET-1 (1 MARK)
CLASS-8
TERM-2

1. Write the formula of Discount%.

2. Complete the formula; Amount= $P\left(1+\dfrac{}{100}\right)^n$

3. Multiply:

(i) $7x^2z^{10}$, 21yz   (ii)2p,4q,8r   (iii) m, -mn, mnp

4. Convert the following into %

(i) 4:5   (ii)2:3

5. $7\dfrac{1}{2}$ out of 250=_____

6. Express in standard form:

(i) 0.0000000000578   (ii) 345700000000

7. Express in usual form:

(i) 3.07×10^{-6} (ii) 1.102×10^{-8}

8. Factorize:

(i)$3p^2+ 6pq$ (ii) $20b^2+60b^3$ (iii) 3x+9

9. Find out the common factors:

(i) $-15x^3b, 20a^4b$ (ii) $3x^2y^2, 10x^3y^2, 6x^2$ (iii) $5, 5x^2, 5x$

10. Find the value:

(i) $\left(\dfrac{2}{11}\right)^{-3}$ (ii) $\{(-3)^0\}$ (iii) $2^5 \times 2^{-6}$

11. Express 4^{-3} as a power with base 2.

12. Write Euler's formula.

13. What is the base of a tetrahedron?

14. Without adding, find the sum: 1+3+5+7+9+11+13+15+17+19+21

15. Express 121 as the sum of 11 odd numbers.

16. Find the square of (i) 675   (ii) 98

17. Find the square root of the following using prime factorization:

(i) 1764   (ii) 4096   (iii) 5929

18. Solid made up of polygonal regions is called_____.

19. A Lateral faces of a pyramid are triangles.(true/false)

20. Is 2352 a perfect square? Give reasons.