

Algebraic Expressions, Exponents & Powers

(TEST)

- Q1 (1M) Tell Algebraic Expression of Numbers 5 added to three times the product of numbers m and n.
- Q2 (1M) Simplify $(-2)^3 \times (-10)^3$
- Q3 (2M) Express in Exponential form 729×64 .
- Q4 (1M) Simplify combining like terms
- Q5 (2M) $3a - 2b - ab - (a - b + ab) + 3ab + b - a$
- Q6 (3M) Simplify $\frac{12^4 \times 9^3 \times 4}{6^3 \times 8^2 \times 27}$
- Q7 (2M) (i) Write Expanded form of 20068.
(ii) Express in standard form 70,040,000,000
- Q8 (1M) what will be standard form of Diameter of Sun is 1,400,000,000 m.
- Q9 (1M) Write in Exponential form expressing power of 10. 56,439.
- Q10 (1M) T/F $3^0 = (1000)^0$
- Q11 (2M) Simplify $2^{5n} \div 2^n = 2^4$ and find value of n.
- Q12 (2M) find value if $x=3, a=-1, b=-2$ of $10 - 3b - 4 - 5b$.
- Q13 (2M) from the sum of $4 + 3x$ and $5 - 4x + 2x^2$, subtract the sum of $3x^2 - 5x$ and $-x^2 + 2x + 5$.
- Q14 (4M) what should be added to $xy - 3yz + 4zx$ to get $4xy - 3zx + 4yz + 7$?
- Q15 (3M) Subtract $4pq - 5q^2 - 3p^2$ from $5p^2 + 3q^2 - pq$.
- Q16 (2M) (i) which is greater $(5^2) \times 3$ or $(5^2)^3$?
- Q17 (3M) (ii) Compare 2.7×10^{12} and 1.5×10^8 .

MATH VIBES

