

Q1: Write the expression for the statement: the sum of three times x and 11

- (a) $x+3+11$ (b) $3x+11$ (c) $3+11x$ (d) $3x-11$

Q2 : Write an expression : Raju's father's age is 5 years more than 3 times Raju's age . If Raju's age is x years , then father's age is

- (a) $3x+5$ (b) $5-3x$ (c) $3x-5$ (d) $15x$

Q3 : Identify the coefficient of x in expression $8-x+y$

- (a) 0 (b) 8 (c) -1 (d) 1

Q4: The number of terms in $4p^2q - 3pq^2 + 5$ is

- (a) 7 (b) 3 (c) 1 (d) 4

Q5: The expression for sum of numbers a and b subtracted from their product is

- (a) $a+b-ab$ (b) $ab-a+b$ (c) $ab-(a+b)$ (d) $ab + a - b$.

Q6: The sum of $mn+5-2$ and $mn+3$ is

- (a) $2mn+3$ (b) 6 (c) $2mn+8$ (d) $2mn+6$.

Q7: What is the statement for the expression $3mn+5$

- (a) 5 more than $\frac{1}{3}$ of product of m and n
(b) number 5 added to product of number m and n
(c) number 5 added to 3 times the product of m and n .
(d) 5 more than 3 times the product of the numbers m and n

Q8 : The constant term in the expression $1+x^2+x$ is

- (a) 1 (b) 2 (c) x (d) x^2

Q9: The coefficient of y^3 in the expression $y - y^3 + y^2$ is

- (a) 1 (b) y (c) $-y^3$ (d) -1

Q10: The number of terms in the expression $1.2ab - 2.4b + 3.6a$ is

- (a) 1.2 (b) -2.4 (c) 3.6a (d) 3

Q11: What is the numerical coefficient of y^2 in the expression $2x^2y - 15xy^2 + 7y$

- (a) -15x (b) -15 (c) 2 (d) 7

Q12: The expression $x + y - xy$ is

- (a) Monomial (b) Binomial (c) Trinomial (d) Quadrinomial

Q13: The expression xyz is

- (a) Monomial (b) Binomial (c) Trinomial (d) Zero polynomial

Q14: From the following expressions $10pq, 7p, 8q, -p^2q^2, -7pq, -23, ab, 3a, b$. The like terms are

- (a) $3, 7p$ (b) $10pq, -7pq$ (c) $ab, 3a, b$ (d) $10pq, 7p, 8q$

Q15: From the following expressing $3ab, a^2, b^2, a, 5ab, -2ab, 2a^2$ the three terms are

- (a) $3ab, 5ab, -2ab$ (b) $a^2, a, 2a^2$ (c) $3ab, a^2, b^2$ (d) $2a^2, a^2, a$

Q16: Sum of $3m$ and $2n$ is

- (a) $5mn$ (b) $3m+2n$ (c) $5m$ (d) $5n$

Q17: Sum of $xy, x+y$ and $y+xy$ is

- (a) $2xy + 2x + y$ (b) $3xy + 2y$ (c) $2xy + x + y$ (d) $2xy + x + 2y$

Q18: The value of $21b - 32 + 7b - 20b$ is

- (a) $48b - 32$ (b) $-8b - 32$ (c) $8b - 32$ (d) $28b - 52$

Q19: Subtract $a - b$ from $a + b$ the result is

- (a) $2a + 2b$ (b) $2a$ (c) $2b$ (d) $2a - 2b$

Q20: Subtracting $-5y^2$ from y^2 , the result is

- (a) $-4y^2$ (b) $6y^2$ (c) $4y^2$ (d) $-6y^2$

Q21: The value of expression $5n - 2$, when $n = -2$ is

- (a) -12 (b) 8 (c) 1 (d) -8

Q22: The value of expression $7a - 4b$ for $a = 3, b = 2$ is

- (a) 13 (b) $7a - 6b$ (c) $21a - 8b$ (d) 29

Q23: When $x = 0, y = -1$, then the value of expression $2x + 2y$ is

- (a) 4 (b) 0 (c) -2 (d) 2

Q24: Factors of the term $15x^2$ in the expression $15x^2 - 13x$ are

- (a) $15, x, x$ (b) $15, -13$ (c) $15x^2, -13x$ (d) 15

Q25: Factors of the terms $-4pq^2$ in the expression $9p^2q^2 - 4pq^2$ are

- (a) $9p^2q^2, -4pq^2$ (b) $9, -4$ (c) $-4, p, q, q$ (d) -4

Q26: If the length of each side of the equilateral triangle is l , then the perimeter of the equilateral triangle is

- (a) $3l$ (b) $3+l$ (c) $3-l$ (d) $l/3$

Q27: Which of the following is monomial

- (a) $2x + 3$ (b) $2x$ (c) $4x + 2y + 3$ (d) $4y + 5x + z - 1$

Q28: Which of the following is trinomial

- (a) $2a + 6b - 1$ (b) 1 (c) $5a - 7$ (d) $a + b + c - 3$

Q29: Terms with factors y in the expression $8 + xy + xyz$ are

- (a) xy, xyz (b) x, xz (c) $8, xy, xyz$ (d) y, xz

Q30: Identify the terms in the expression $x + y + 1$ which are not constant

- (a) $x, y, 1$ (b) x, y (c) $x, 1$ (d) $y, 1$

Q31: The value of expression $4x - 3$ at $x = 2$ is

- (a) -4 (b) 5 (c) 4 (d) 2

Q32: The value of expression $5n^2 + 5n - 2$ for $n = -2$ is

- (a) 13 (b) 3 (c) 8 (d) 12

Q33: The value of expression $2a^2 + 2b^2 - ab$ for $a = 2, b = 1$ is

- (a) 2 (b) 8 (c) 6 (d) 10

Q34: The value of $x + 7 + 4(x - 5)$ for $x = 2$

- (a) -3 (b) 31 (c) 12 (d) 37

Q35: The value of expression $2a - 2b - 4 - 5 + a$ at $a = 1, b = -2$

- (a) 10 (b) -2 (c) 12 (d) -4

Q36: What must be subtracted from $2a + b$ to get $2a - b$

- (a) $2b$ (b) $4a$ (c) 0 (d) $4a + 4b$

Q37: What must be added to $3x + y$ to get $2x + 3y$

- (a) $5x + 4y$ (b) $-x + 2y$ (c) $x - 2y$ (d) $x + 2y$

Q38: Subtract $a + 2b$ from sum of $a - b$ and $2a + b$

- (a) $2a - 2b$ (b) $4a + 2b$ (c) $2b$ (d) $-2a + 2b$

Q39: On simplifying $(a + b - 3) - (b - a + 3) + (a - b + 3)$ the result is

- (a) $a - b + 3$ (b) $a - b - 3$ (c) $3a - b - 3$ (d) $3a + b + 3$

Q40: What should be value of ' a ' if $y^2 + y - a$ equals to 3 for $y = 1$

- (a) -1 (b) -5 (c) 5 (d) 0