

Class: 7
Subject: Mathematics
Topic: Algebraic Expression
No. of Questions: 24

1. What are the coefficients of y in the expression $-2y + 5$?
2. Write the expression for the statement: the sum of three times x and 11.
3. 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
4. Identify the coefficient of x in expression $-8x + y$
5. The number of terms in $4p^2q - 3pq^2 + 5$ is
6. The expression for sum of numbers a and b subtracted from their product is
7. The sum of $mn + 5 - 2$ and $mn + 3$ is
8. The value of expression $5n^2 + 5n - 2$ for $n = 2$ is
9. The value of expression $2a^2 + 2b^2 - ab$ for $a = 2, b = 1$ is
10. The value of $x + 7 + 4(x - 5)$ for $x = 2$ is
11. The value of expression $2a - 3b - 4 - 5 + a$ at $a = 1, b = -2$ is
12. What must be subtracted from $2a + b$ to get $2a - b$?
13. What must be added to $3x + y$ to get $2x + 3y$?
14. Subtract $a + 2b$ from sum of $a - b$ and $2a + b$.
15. On simplifying $(a + b - 3) - (b - a + 3) + (a - b + 3)$ the result is
16. What should be value of 'a' if $y^2 + y - a$ equals to 3 for $y = 1$?

17. What is an expression for the statement: “p is multiplied by 16”?
18. The expression for the statement: “ y multiplied by 10 and then 7 added to product”.
19. What is the statement for the expression $2y - 9$?
20. Give expression for: “5 times of ‘y’ to which 3 is added”,.
21. The sum (or difference) of two like terms is a _____.
22. From the sum of $2y^2 + 3yz$, $-y^2 - yz - z^2$ and $y + 2z^2$, subtract the sum of $3y^2 - z^2$ and $-y^2 + yz + z^2$.
23. State whether a given pair of terms is of like or unlike terms. $4m^2p$, $4mp^2$
24. State whether a given pair of terms is of like or unlike terms. $12xz$, $12x^2z^2$.