

Subject: Mathematics

Class: 7

Topic: Writing Algebraic Expressions from Word Statements

Levels: Basic, Intermediate, Advanced

Level: Basic

1. Rahul has some marbles 'm'. He buys 5 more. Express the total marbles: _____
2. Subtract 10 from a number 'x': _____
3. The sum of a number 'y' and 15: _____
4. Priya had ? z. She spent ? 50 on a pen. Balance left: _____
5. One-fourth of a number 'p': _____
6. 7 times a number 'n': _____
7. Add 3 to the product of 2 and 'x': _____
8. A box contains 'b' laddoos. If 10 laddoos are eaten, remaining: _____
9. The perimeter of a square with side 's' ($s + s + s + s$): _____
10. Increase a number 'k' by 100: _____

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Level: Intermediate

1. Twice a number 'n' increased by 7: _____
2. Anjali's age is 3 years more than twice her brother's age 'b': _____
3. 10 subtracted from 3 times a number 'y': _____
4. The price of 5 notebooks at ? 'x' each and a ? 20 eraser: _____
5. Divide the sum of 'x' and 5 by 2: _____
6. Sita has ? 500. She buys 'n' chocolates at ? 10 each. Balance: _____
7. Three-fourths of a number 'p' added to 10: _____
8. Product of 'a' and 'b' subtracted from 100: _____
9. The length of a room is 5m more than its breadth 'b'. Area ($L \times B$) is: _____
10. Multiply 'x' by 5 and then subtract the result from 25: _____

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1. The sum of three consecutive integers where the first is 'n': _____
2. A taxi charges ₹ 50 fixed plus ₹ 'x' per km. Expression for 15 km: _____
3. Is the expression for 'Area of a circle' (πr^2) algebraic? Write it: _____
4. Amit is 'x' years old. His father is 5 years more than 3 times Amit's age: _____
5. The total value of 'x' notes of ₹ 10 and 'y' notes of ₹ 50: _____
6. The temperature ₹ dropped by 2 degrees every hour for 'h' hours from 30₹: _____
7. A pattern uses 3 matchsticks for one ₹. Matches needed for 'n' triangles: _____
8. If 'x' is an even number, what is the next consecutive even number? _____
9. The difference between the square of 'a' and the cube of 'b': _____
10. ₹ Challenge: 5 times the sum of 'x' and 'y' subtracted from their product: _____