

Algebraic expressions (2 or more variables)

Grade 5 Pre-Algebra Worksheet

Evaluate the following expressions for **a = 10**, **b = 5** and **c = 3**.

1. $3ac$ _____

11. $1000bc$ _____

2. $15 - 2b + c$ _____

12. $\frac{4a}{b-3}$ _____

3. $\frac{a}{b}$ _____

13. $a - b + 6$ _____

4. $5c - a$ _____

14. $\frac{ac}{b} + \frac{2b}{a}$ _____

5. $25 - bc$ _____

15. $6c - b$ _____

6. $2a + 3b - 4c$ _____

16. $a + b + 2c$ _____

7. $\frac{6a}{c} + 4$ _____

17. $2b + c - 8$ _____

8. $19 - 3b$ _____

18. $a + 12 - b$ _____

9. $2a - c + 3$ _____

19. $2a - 3c$ _____

10. $\frac{a}{c-1} + b$ _____

20. $a - b - c$ _____

Answers

1. $3ac = 90$

11. $1000bc = 15\,000$

2. $15 - 2b + c = 8$

12. $\frac{4a}{b-3} = 20$

3. $\frac{a}{b} = 2$

13. $a - b + 6 = 11$

4. $5c - a = 5$

14. $\frac{ac}{b} + \frac{2b}{a} = 7$

5. $25 - bc = 10$

15. $6c - b = 13$

6. $2a + 3b - 4c = 23$

16. $a + b + 2c = 21$

7. $\frac{6a}{c} + 4 = 24$

17. $2b + c - 8 = 5$

8. $19 - 3b = 4$

18. $a + 12 - b = 17$

9. $2a - c + 3 = 20$

19. $2a - 3c = 11$

10. $\frac{a}{c-1} + b = 10$

20. $a - b - c = 2$