



Algebraic expressions (2 variables)

Grade 5 Pre-Algebra Worksheet

Evaluate the following expressions for $x = 9$ and $y = 2$.

1. $2xy$ _____

11. $\frac{8}{y} + x$ _____

2. $\frac{x}{y+1}$ _____

12. $14 - 3y$ _____

3. $3x + y$ _____

13. $x - y + 6$ _____

4. $2xy - 10$ _____

14. $\frac{4x}{y} + \frac{y+7}{x}$ _____

5. $2x - 3y$ _____

15. $4x - y$ _____

6. $x + y$ _____

16. $15 - 2y + x$ _____

7. $2x + 3y$ _____

17. $x + y + 2$ _____

8. $\frac{4y}{x-1}$ _____

18. $2y + x - 8$ _____

9. $2x - y + 3$ _____

19. $y + 12 - x$ _____

10. $\frac{x}{y-1}$ _____

20. $9y - x$ _____



Answers

1. $2xy = 36$

11. $\frac{8}{y} + x = 13$

2. $\frac{x}{y+1} = 3$

12. $14 - 3y = 8$

3. $3x + y = 29$

13. $x - y + 6 = 13$

4. $2xy - 10 = 26$

14. $\frac{4x}{y} + \frac{y+7}{x} = 19$

5. $2x - 3y = 12$

15. $4x - y = 34$

6. $x + y = 11$

16. $15 - 2y + x = 20$

7. $2x + 3y = 24$

17. $x + y + 2 = 13$

8. $\frac{4y}{x-1} = 1$

18. $2y + x - 8 = 5$

9. $2x - y + 3 = 19$

19. $y + 12 - x = 5$

10. $\frac{x}{y-1} = 9$

20. $9y - x = 9$