

Variables and Expressions Bell Work

Write an algebraic expression for each verbal expression.

1. The product of five and a number x
2. Two-thirds the square of a number x
3. The sum of fifty three and x
4. The product of thirty two and d
5. Nineteen increased by thrice a number x

Find each value.

6. 9^2
7. 4^4
8. 6^3
9. 8^2
10. 3^4

Write a verbal expression for each algebraic expression.

11. $5x$
12. $\frac{24}{x}$
13. $y + 19$
14. $x - 2$
15. $y \div 2$

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ANSWER

Write an algebraic expression for each verbal expression.

1. The product of five and a number x $= 5x$
2. Two-thirds the square of a number x $= \frac{2}{3}x^2$
3. The sum of fifty three and x $= 53 + x$
4. The product of thirty two and d $= 32d$
5. Nineteen increased by thrice a number x $= 19 + 3x$

Find each value.

6. $9^2 = 9 \cdot 9 = 81$
7. $4^4 = 4 \cdot 4 \cdot 4 \cdot 4 = 256$
8. $6^3 = 6 \cdot 6 \cdot 6 = 216$
9. $8^2 = 8 \cdot 8 = 64$
10. $3^4 = 3 \cdot 3 \cdot 3 \cdot 3 = 81$

Write a verbal expression for each algebraic expression.

11. $5x$ $=$ the product of five and x
12. $\frac{24}{x}$ $=$ the ratio of twenty four and x
13. $y + 19$ $=$ the sum of y and nineteen
14. $x - 2$ $=$ the difference between x and two
15. $y \div 2$ $=$ y divided by two