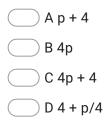
Algebraic Expressions

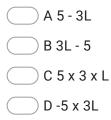
1. 1. Four more than the price, p. Write the algebraic expression.

Mark only one oval.



2. 2. Five less than three times the length, L. Write the algebraic expression. 1 point

Mark only one oval.



3. 3. Eighteen times the width minus eight. Write the algebraic expression.

Mark only one oval.



4. 4. Twenty two times the area divided by twenty two. Write the algebraic expression.

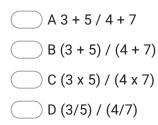
1 point

Mark only one oval.

A 20 x 2 x L x W / 20 x 2 B 20 + 2 x L x W / 20 + 2 C 20 + 2 x (L x W) / 20 + 2 D (20 + 2) x (L x W) / (20 + 2)

5. 5. The ratio of three to five divided by the ratio of four to seven. Write the algebraic expression.

Mark only one oval.



6. 6. Simplify this expression: (100 + 4m) 20

1 point

Mark only one oval.

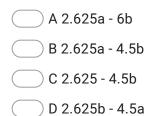


- 🔵 B 24m + 2000
- C 80m + 2000
- 🔵 D 2000 + 80n

7. 7. Simplify this expression: 0.75(3.5a - 6b)

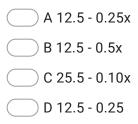
1 point

Mark only one oval.



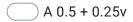
8. 8. Simplify this expression: 0.5(25 - 0.5x)

Mark only one oval.



9. 9. Simplify this expression: 0.25(0.25v + 0.25)

Mark only one oval.



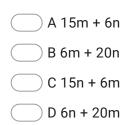
- B 0.5v + 0.5
- C 0.0625 + 0.0625v
- D 0.0625u +0.0625

1 point

1 point

10. 10. Simplify this expression: 0.75(8m + 20n)

Mark only one oval.



11. 11. Half of the seventh graders, s, and one fourth of the eighth graders, e, 1 point were divided into ten teams. Write an algebraic expression.

Mark only one oval.

A (0.5e + 0.25s) / 10

- B (0.5s + 0.25e) / 10
- C (0.5e / 10) + (0.25s / 10)

D 0.5s + (0.25e / 10)

12. 12. Thirty percent of the green house flowers, g, are added to 25 ferns, f, for 1 point the school garden. Write an algebraic expression.

Mark only one oval.

A 30 + 25f
 B 30g + 25f
 C 0.3g + 2.5f
 D 0.3g + 25f

13. 13. Four less than three times the number of egg orders, e, and six more than 1 point two times the number of waffle orders, w. Write an algebraic expression.

Mark only one oval.

A (3e - 4) + (2w + 6)B (4 - 3e) + (6 + 2w)C (4 - 3e) x (6 + 2w)D (3e - 4) x (6 + 2w)

14. 14. Thirty-five percent of the revenue produced at the auction will go to the 1 point charity. The morning participants, m, spent an average of \$50 each. The afternoon attendees, a, spent an average of \$75 each. Write an algebraic expression to find total revenue for charity.

Mark only one oval.

A 35(50m + 75a)
B 0.35(50m + 75a)
C 0.35(50m) + 75a
D 0.35(50m - 75a)

15. 15. Twenty customers bought the portable drill, d, when it was on sale. Twelve 1 point of the customers also bought the charger, c, that goes with it. Write an algebraic expression to find total cost.

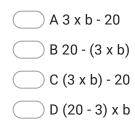
Mark only one oval.

A (20 x c) + (20 x d)B (12 x c) x (20 x d)C (20 x c) x (12 x d)

D (12 x c) + (20 x d)

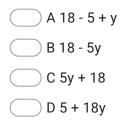
- 1 point
- 16. 16. A construction worker bought several bottles, b, of juice for \$3 at the convenience store. She paid for them with a \$20 bill. If j represents the number of bottles of juice, write an expression for the change she should receive.

Mark only one oval.



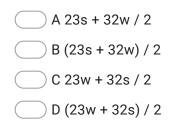
17. A giant bamboo plant grew an average of 18 centimeters per year. The
 1 point
 botanist started measuring the plant when it was 5 centimeters tall. If y
 represents the number of years the botanist has measured the plant, what
 expression represents its height?

Mark only one oval.



 18. A swimmer swan 32 kilometers, s, and walked 23 kilometers, w, in two days. What was the average distance travelled in one day? Write an algebraic expression.

Mark only one oval.



19. Fourteen tickets, t, to the movies cost \$156. Seven people bought 1 point popcorn, p, for \$8 each. Eleven people bought drinks, d, for \$5 each. Write an algebraic expression to find the total cost.

Mark only one oval.

A 156 x t + 8 x p + 5 x d B 156 x t + 8 x p x 5 + d C 156 x t x 8 x p x 5 x d D 156 + t x 8 + p x 5 + d

20. 20. Simplify this expression: 0.2(3b - 15c)

1 point

Mark only one oval.

A 0.6b - 15 B 0.6b - 15c C 0.6b - 3c D 0.6 - 3c

21. 21. You can find the word of the day by going back and finding the answer to 1 point question #7. Use that letter a, b, c, or d, to answer this question. (This is your bonus point question)

Mark only one oval.

- A Drive
 B Perseverance
- C Fire
- D Courage

This content is neither created nor endorsed by Google.

Algebraic Expressions

