

# WHY DID OSLO GO TO THE SLED AND SLEIGH AUCTION?



Cross out the letter next to each correct answer. When you finish, the answer to the title question will remain.



## Answers 1-12

- 19a + 11
- 5x + 8
- 13a + 8b + 9
- 12x + 3y
- 11x
- 4a + 3b + 1
- 12a + 3b + 30
- 5x + 7
- a + 16b + 10
- x + 8y + 12
- 4a + 4b + 2
- 10a + 7b + 4
- 12a + 2b + 24
- 12x + 9y
- 8x + 9y
- 13a + 9b + 11

## Answers 13-24

- 5x + 3y + 18
- 5x + 9y + 34
- 2x + 7y + 37
- 8x + 6
- 7x + 7y
- 2x + 8y + 35
- 4x + 27
- 8x + 13
- 9x + 5y + 10
- 5x + 10y + 33
- 11x + 20
- 9x + 7y + 9
- 7x + 15y + 30
- 6x + 13
- 11x + 8y
- 6x + 8

In Exercises 1-12, simplify the expression.

1.  $5x + 6x$
2.  $2x + 7 + 3x$
3.  $4x + x + 8$
4.  $2x + 9y + 6x$
5.  $x + 3y + 12 + 5y$
6.  $8x + y + 4x + 2y$
7.  $3a + 7b + 4 + 7a$
8.  $5a + 6 + a + 5 + 13a$
9.  $2b + 8b + a + 6b + 10$
10.  $9a + 4b + 4 + 4a + 5b + 7$
11.  $24 + 6a + b + 3a + b + 3a$
12.  $b + a + 2b + 2a + a + 1$

In Exercises 13-22, simplify the expression.

13.  $3(x + 2) + 5x$
14.  $7x + 4(x + 5)$
15.  $7 + 4(x + 5)$
16.  $2(x + y) + 9x + 6y$
17.  $5(x + 3) + 3(y + 1)$
18.  $6 + 6(x + 4) + 15y + x$
19.  $3(x + y) + 4(y + x)$
20.  $2y + 8(y + 1) + 5(x + 5)$
21.  $9 + 2(x + 7) + 7(y + 2)$
22.  $6(x + y) + y + 3(x + 3)$

In Exercises 23-24, write an expression for the perimeter of the polygon. Simplify the expression.

