# Why Are Handcuffs Like Souvenirs?

Use the distributive property to complete each statement below. Find your answer in the corresponding answer column. Write the letter of that exercise in the box that contains the number of the answer.

(A) $7(a+b) = 7a + \_\_\_\_$

(R) $4(5+x) = 20 + \_\_\_\_$

(Y) $3(2x+9) = 6x + \_\_\_\_$

(S) $8(3x+1) = \_\_\_\_ + 8$

(O) $a(4+b) = \_\_\_\_ + ab$

(E) $x(y+10) = \_\_\_\_ + 10x$

(I) $2(7x+4y) = 14x + \_\_\_\_$

(D) $6(9+5x) = 54 + \_\_\_\_$

(W) $x(a+3b) = \_\_\_\_ + 3bx$

(E) $a(8x+2y) = 8ax + \_\_\_\_$

(T) $\frac{1}{2}(4a+10) = 2a + \_\_\_\_$

(R) $\frac{2}{3}(12+9y) = 8 + \_\_\_\_$

Answers:

(18) $ax$

(17) $4a$

(9) $7b$

(1) 5

(14) $4x$

(23) $24x$

(10) $30x$

(6) $6y$

(3) $xy$

(4) 27

(7) $2ay$

(20) $8y$

(O) $5x + 5y = 5(x + \_\_\_\_)$

(T) $9a + 9b = 9(\_\_\_\_ + b)$

(W) $4m + 4n = \_\_\_\_(m+n)$

(H) $ab + 3a = a(b + \_\_\_\_)$

(E) $xy + 15x = \_\_\_\_(y+15)$

(A) $bu + uv = \_\_\_\_(b+v)$

(F) $\frac{2}{5}m + \frac{2}{5}n = \frac{2}{5}(\_\_\_\_ + n)$

(M) $\frac{3}{4}a + \frac{3}{4}b + \frac{3}{4}c = \_\_\_\_(a+b+c)$

(S) $7ax + 2ay = a(7x + \_\_\_\_)$

(T) $4kx + 11ky = \_\_\_\_(4x+11y)$

(R) $3ay + 8by = y(\_\_\_\_ + 8b)$

Answers:

(16) 4

(5) $u$

(22) $a$

(11) $x$

(21) $2y$

(13) $y$

(19) $3a$

(2) 3

(12) $m$

(15) $k$

(8) $\frac{3}{4}$

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
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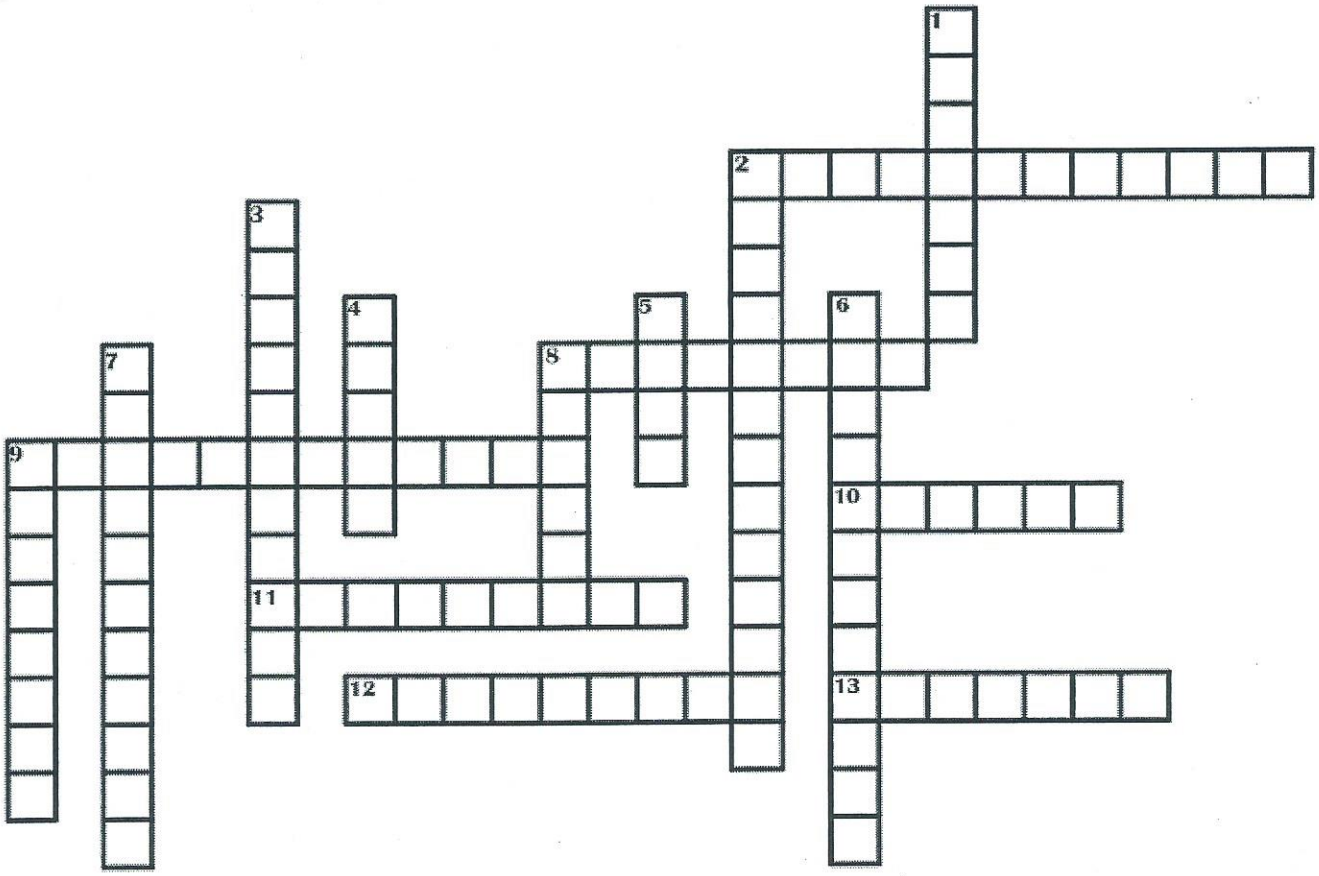
Name: _____ Date: _____



## Across

2. $15x - 145 = -280$
8. $5x + 23 = 88$
9. $-8 - 34x = 162$
10. $12 - 4x = -68$
11. $67 = 3x + 16$
12. $-6x + 57 = -69$
13. $12x - 36 = 144$

## Down

1. $6x + (-24) = 72$
2. $-11x + 44 = 121$
3. $62 = -28 - 15x$
4. $105 + 14x = 203$
5. $-3x - 6 = -33$
6. $32 = -4x + 16$
7. $9x - 18 = -108$
8. $18x - 96 = 120$
9. $134 = 5x - (-39)$