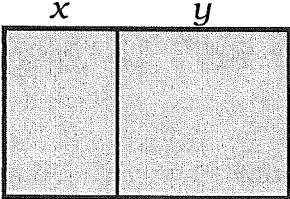
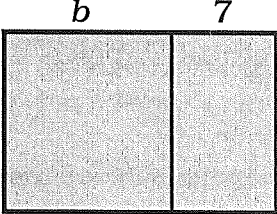


# What Is the World's Longest Punctuation Mark?

For each exercise, write the letter of the answer in the box containing the exercise number.

In Exercises 1-2, circle the expression that does *not* represent the area of the outside (largest) rectangle. Write its letter in the corresponding numbered box.

1.  S.  $4(x + y)$   
K.  $4x + 4y$   
T.  $4 + xy$

2.  H.  $ab + 7$   
R.  $a(b + 7)$   
A.  $ab + 7a$

In Exercises 3-22, use the distributive property to complete each statement.

- |  |   |
|--|---|
| <p>3. <math>9(a + b) = 9a + \underline{\hspace{2cm}}</math></p> <p>4. <math>3(n + 7) = \underline{\hspace{2cm}} + 21</math></p> <p>5. <math>2(15 + q) = \underline{\hspace{2cm}} + 2q</math></p> <p>6. <math>a(b + 8) = ab + \underline{\hspace{2cm}}</math></p> <p>7. <math>x(x + 5) = \underline{\hspace{2cm}} + 5x</math></p> <p>8. <math>16(y + 3) = 16y + \underline{\hspace{2cm}}</math></p> <p>9. <math>e(s + t) = es + \underline{\hspace{2cm}}</math></p> <p>10. <math>7(p + q + 4) = 7p + 7q + \underline{\hspace{2cm}}</math></p> <p>11. <math>a(b + c + 11) = \underline{\hspace{2cm}} + ac + 11a</math></p> <p>12. <math>k(8 + 3 + k) = 8k + 3k + \underline{\hspace{2cm}}</math></p> | <p>13. <math>7x + 7y = 7(x + \underline{\hspace{2cm}})</math></p> <p>14. <math>3m + 3n = 3(\underline{\hspace{2cm}} + n)</math></p> <p>15. <math>8a + 8b = \underline{\hspace{2cm}}(a + b)</math></p> <p>16. <math>ax + ay = \underline{\hspace{2cm}}(x + y)</math></p> <p>17. <math>nt + 4n = n(t + \underline{\hspace{2cm}})</math></p> <p>18. <math>2d + 12 = 2(\underline{\hspace{2cm}} + 6)</math></p> <p>19. <math>5e + 35 = 5(e + \underline{\hspace{2cm}})</math></p> <p>20. <math>x^2 + 9x = x(\underline{\hspace{2cm}} + 9)</math></p> <p>21. <math>4p + 4q + 80 = 4(p + q + \underline{\hspace{2cm}})</math></p> <p>22. <math>kw + wy + w^2 = w(k + y + \underline{\hspace{2cm}})</math></p> |
|--|---|

Answers for 3-12:

U. 48	O. $3n$	N. 30
E. $9b$	D. 28	E. $k^2$
T. $5c$	H. $x^2$	N. $et$
E. $8a$	R. $ab$	S. $3k$

Answers for 13-22:

H. $w$	D. $y$	B. $k$
M. $m$	R. $d$	T. $a$
L. 15	E. 8	D. 7
E. 4	S. 20	A. $x$

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
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