

What Do They Call the International Hula Hoop Championships?



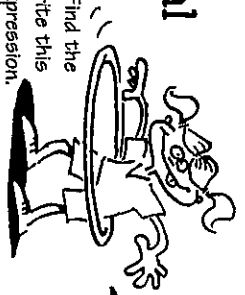
Simplify each expression, then evaluate it for the given value of the variable. Find the simplified expression in the answer column and notice the letter next to it. Write this letter in the box at the bottom of the page that contains the value of the expression.

| | | Simplified Expressions |
|--------------------------------|--------------|--------------------------------------|
| 1. $-4x + 5 + 9x - 2$ | if $x = 6$ | <input type="radio"/> S. $-7x - 23$ |
| 2. $7 + 7x - (-2x) + 3$ | if $x = -4$ | <input type="radio"/> N. $7x - 21$ |
| 3. $x - 8 + (-8x) - 15$ | if $x = -9$ | <input type="radio"/> E. $7x - 12$ |
| 4. $-5 - 3x - x - (-16)$ | if $x = 20$ | <input type="radio"/> I. $5x + 3$ |
| 5. $-6x + (-4) + 15x - 5 - 2x$ | if $x = -1$ | <input type="radio"/> R. $-4x + 11$ |
| 6. $7(x - 3) + 4x$ | if $x = 3$ | <input type="radio"/> O. $11x - 9$ |
| 7. $9x - 2(x + 6)$ | if $x = -10$ | <input type="radio"/> H. $11x - 21$ |
| 8. $15 - 4(a - 5)$ | if $a = 8$ | <input type="radio"/> E. $9x + 10$ |
| 9. $a + 6(7 - a)$ | if $a = -6$ | <input type="radio"/> I. $7x - 9$ |
| 10. $-5(-2a + 3) - 8$ | if $a = -2$ | <input type="radio"/> F. $-4x - 12$ |
| 11. $12a - 2(5a - 4) + 3$ | if $a = 44$ | <input type="radio"/> P. $-30a - 13$ |
| 12. $-a + 7(1 + 3a) - 20$ | if $a = -3$ | <input type="radio"/> E. $-5a + 42$ |
| 13. $4 - 4(-2a - 9) + 10a$ | if $a = 2$ | <input type="radio"/> L. $20a - 13$ |
| 14. $-6a + 3(11 - 8a) - 2$ | if $a = -5$ | <input type="radio"/> A. $18a + 31$ |
| | | <input type="radio"/> S. $10a - 23$ |
| | | <input type="radio"/> W. $-30a + 31$ |
| | | <input type="radio"/> H. $-4a + 35$ |
| | | <input type="radio"/> R. $18a + 40$ |
| | | <input type="radio"/> K. $20a + 40$ |
| | | <input type="radio"/> T. $2a + 11$ |

| | | | | | | | | | | | | | | | | | |
|-----|----|----|-----|-----|-----|---|----|-----|-----|----|-----|-----|----|-----|----|----|-----|
| 175 | 99 | 12 | -26 | -88 | 181 | 3 | 33 | -69 | -73 | 64 | -43 | -82 | 76 | -16 | 72 | 40 | -18 |
|-----|----|----|-----|-----|-----|---|----|-----|-----|----|-----|-----|----|-----|----|----|-----|

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- $-4x + 5 + 9x - 2$ if $x = 6$
- $7 + 7x - (-2x) + 3$ if $x = -4$
- $x - 8 + (-8x) - 15$ if $x = -9$
- $-5 - 3x - x - (-16)$ if $x = 20$
- $-6x + (-4) + 15x - 5 - 2x$ if $x = -1$
- $7(x - 3) + 4x$ if $x = 3$
- $9x - 2(x + 6)$ if $x = -10$
- $15 - 4(a - 5)$ if $a = 8$
- $a + 6(7 - a)$ if $a = -6$
- $-5(-2a + 3) - 8$ if $a = -2$
- $12a - 2(5a - 4) + 3$ if $a = 44$
- $-a + 7(1 + 3a) - 20$ if $a = -3$
- $4 - 4(-2a - 9) + 10a$ if $a = 2$
- $-6a + 3(11 - 8a) - 2$ if $a = -5$

Simplified Expressions

- S. $-7x - 23$
- N. $7x - 21$
- E. $7x - 12$
- I. $5x + 3$
- R. $-4x + 11$
- O. $11x - 9$
- H. $11x - 21$
- E. $9x + 10$
- L. $7x - 9$
- F. $-4x - 12$
- P. $-30a - 13$
- E. $-5a + 42$
- L. $20a - 13$
- A. $18a + 31$
- S. $10a - 23$
- W. $-30a + 31$
- H. $-4a + 35$
- R. $18a + 40$
- K. $20a + 40$
- T. $2a + 11$

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- $-4x + 5 + 9x - 2$ if $x = 6$
- $7 + 7x - (-2x) + 3$ if $x = -4$
- $x - 8 + (-8x) - 15$ if $x = -9$
- $-5 - 3x - x - (-16)$ if $x = 20$
- $-6x + (-4) + 15x - 5 - 2x$ if $x = -1$
- $7(x - 3) + 4x$ if $x = 3$
- $9x - 2(x + 6)$ if $x = -10$
- $15 - 4(a - 5)$ if $a = 8$
- $a + 6(7 - a)$ if $a = -6$
- $-5(-2a + 3) - 8$ if $a = -2$
- $12a - 2(5a - 4) + 3$ if $a = 44$
- $-a + 7(1 + 3a) - 20$ if $a = -3$
- $4 - 4(-2a - 9) + 10a$ if $a = 2$
- $-6a + 3(11 - 8a) - 2$ if $a = -5$

Simplified Expression

- S. $-7x - 23$
- N. $7x - 21$
- E. $7x - 12$
- I. $5x + 3$
- R. $-4x + 11$
- O. $11x - 9$
- H. $11x - 21$
- E. $9x + 10$
- L. $7x - 9$
- F. $-4x - 12$
- P. $-30a - 13$
- E. $-5a + 42$
- L. $20a - 13$
- A. $18a + 31$
- S. $10a - 23$
- W. $-30a + 31$
- H. $-4a + 35$
- R. $18a + 40$
- K. $20a + 40$
- T. $2a + 11$

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| 175 | 99 | 12 | -26 | -88 | 181 | 3 | 33 | -69 | -73 | 64 | -43 | -82 | 76 | -16 | 72 | 40 | -18 |
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