

# WHY DID THE PICTURE GO TO JAIL?

**Directions:** Evaluate each expression. Show all work on a separate sheet of paper. After completing each set, find matching answers. One will have a letter and the other a number. Write the letter in the matching numbered box at the bottom of the page.

SET 1			
M. $5^2(14-8)-2(5)$ _____	7. $(22-6) \div 2(-3)$ _____		
E. $50-4^2+5$ _____	9. $12(9^2-4^3)-8^2$ _____		
H. $4+3^3-12 \div 2$ _____	1. $10+45 \div 3$ _____		
R. $6^2-12 \cdot 5$ _____	2. $32-2+3^2$ _____		
SET 2			
S. $(5 \times 4)^2 + 7 \cdot 6 + 1$ _____	11. $5 \cdot 9 - (6-8)^2$ _____		
D. $18 \div 2 \times 5 - 4$ _____	4. $-2 \cdot (3^3 - 6) - 2$ _____		
A. $5 + (-3)(5 \cdot 4) + 11$ _____	5. $10^2 + (5+2)^3$ _____		
SET 3			
A. $100 \div (20 \div 10) - 6^2$ _____	3. $8^2 - 14 + 6$ _____		
W. $3^4 - (7-2)^2$ _____	8. $80 \div (19-11) + 4$ _____		
F. $3^2 + 6 \div 3 - (14 \cdot 3)$ _____	10. $-100 \div 5(-4) + 6$ _____		
E. $5 \cdot 6 - (-4)(14)$ _____	6. $-4(40-6^2) - 15$ _____		

## ANSWER:

1.	2.		3.	4.	5.		6.	7.	8.	9.	10.	11.	!
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**RIDDLE:** Why didn't the quarter roll down the hill with the nickel?

**Directions:** Simplify each expression by either combining like terms or distributing. After completing each set, find matching answers. One will have a letter and the other a number. Write the letter in the matching numbered box at the bottom of the page.

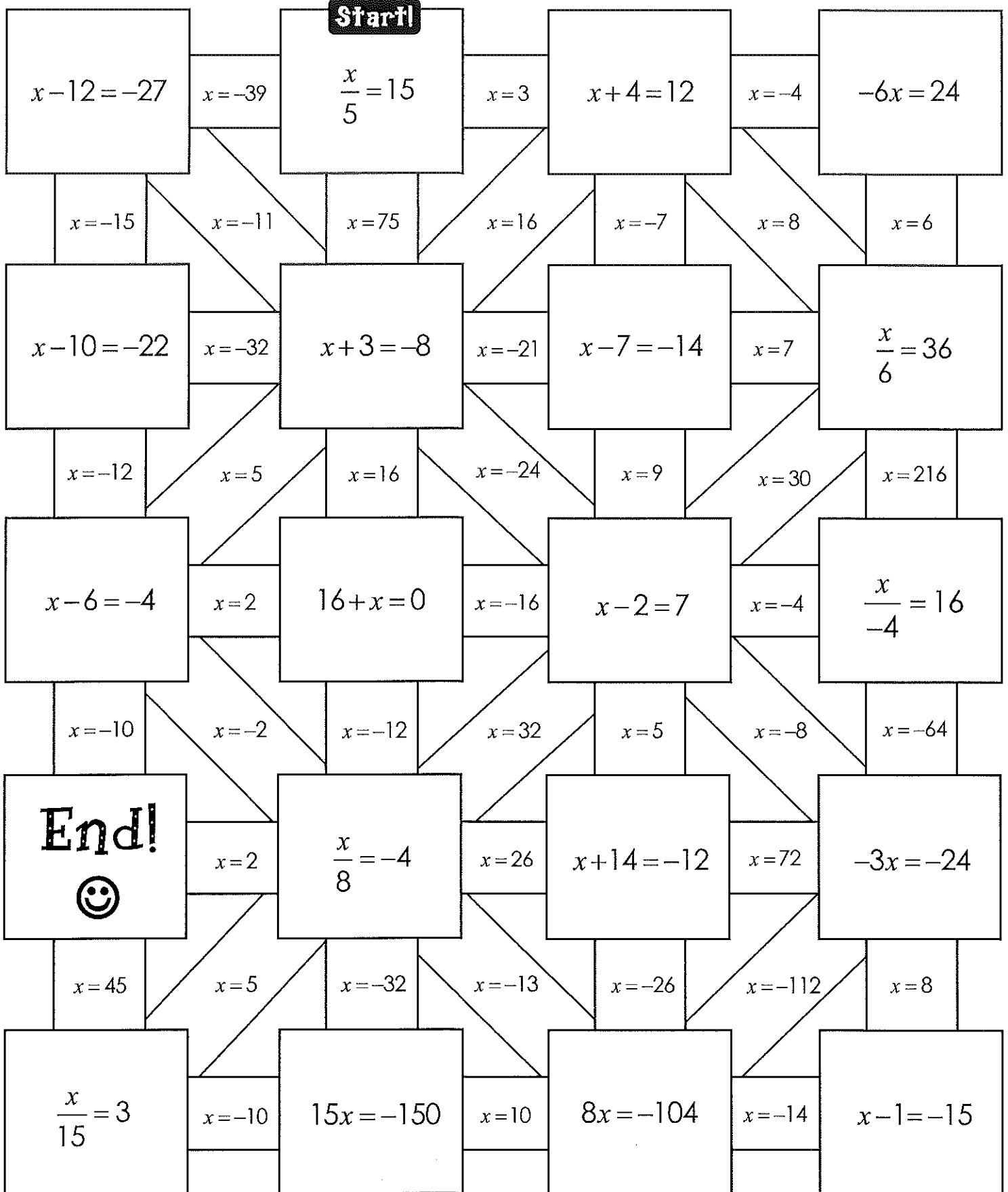
SET 1			
H. $4(x + 7)$ = _____	5. $-3(x + 9)$ = _____		
O. $4 + 7x - 5x - 6$ = _____	12. $40 - 9x + 4x + 5$ = _____		
N. $-5(x - 9)$ = _____	3. $6x - 2 - 2x + 30$ = _____		
D. $9x - 22 - 5 - 12x$ = _____	7. $2(x - 1)$ = _____		
SET 2			
A. $5n + 14 - 11n - 2$ = _____	8. $13n - 53 - 3n + 3$ = _____		
E. $-4(n + 8)$ = _____	4. $-6(n - 2)$ = _____		
C. $10 - 7n + 12n + 10$ = _____	2. $-2(4n + 5)$ = _____		
R. $10(n - 5)$ = _____	10. $5(n + 4)$ = _____		
T. $-11 - 10n + 2n + 1$ = _____	11. $3 - 12n + 8n - 35$ = _____		
SET 3			
S. $3(a + 8)$ = _____	6. $-4(3a + 5)$ = _____		
M. $-2 - 17a + 5a - 18$ = _____	13. $-7(a + 2)$ = _____		
E. $-2(a - 8)$ = _____	1. $11a - 8 + 11 - 5a$ = _____		
T. $3 - 17 - 9a + 2a$ = _____	14. $8a - 5a + 26 - 2$ = _____		
I. $3(2a + 1)$ = _____	9. $20 - 12a + 10a - 4$ = _____		

**ANSWER:**

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	!
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# One-Step Equations Maze!

**Directions:** Solve each equation. Use your solutions to navigate through the maze.  
SHOW ALL WORK on a separate sheet of paper!



# TWO-STEP EQUATIONS RELAY PUZZLE

**Directions:** Solve each equation beginning with the "Start" box. Use the arrows to navigate through the page. Use the answer from the previous problem to fill in the box for the next problem. Show all work!

<p><b>Start!</b></p> <p>1 <math>9x + 13 = -5</math> →</p>	<p>2 <math>-7 = \frac{a}{\square} - 3</math> →</p>	<p>3 <math>\square w - 13 = 27</math> →</p>	<p>4 <math>17 - \square p = 32</math></p>
<p>5 <math>-5r + \square = 51</math> →</p>	<p>6 <math>\square - 2y = -28</math> ←</p>	<p>7 <math>-19 = \square m + 17</math> ←</p>	<p>8 <math>\frac{k}{9} - 2 = \square</math></p>
<p>9 <math>\frac{c}{\square} + 25 = 27</math> →</p>	<p>10 <math>\frac{1}{2}n - 19 = \square</math> →</p>	<p>11 <math>-11 = \square - 7a</math> →</p>	<p>12 <math>\frac{x - 10}{\square} = -4</math></p>
<p>13 <math>\frac{h - 13}{\square} = -2</math> ←</p>	<p>14 <math>-3 = \frac{f + \square}{-7}</math> ←</p>	<p>15 <math>-\frac{3}{4}z + 1 = \square</math> ←</p>	<p>16 <math>\square - v = 6</math></p>

**End!**