

# FIND A MATCH

Solve any equation in the top block and find the solution in the bottom block. Transfer the word from the top box to the corresponding bottom box. Keep working and you will get another corny joke.

Key: *★ work on next page ★*

① $4x - 6 = 22$ THEY	⑤ $-4x + 6 = -42$ BECAUSE	⑨ $1 - 9n = -80$ AN	⑬ $-5n + 9 = -46$ COSTS
② $9x + 2 = 47$ IT	⑥ $-11x + 4 = 26$ A	⑩ $-5 - 15n = 10$ FARMERS	⑭ $-27 + 4n = 33$ EAR
③ $2x + 1 = -15$ SOMETHING	⑦ $8x - 18 = 6$ ARE	⑪ $12n + 2 = -46$ CORN	⑮ $-7n - 20 = -48$ PIRATE
④ $-6x - 11 = 49$ SOME	⑧ $7 + 3x = 25$ CALL	⑫ $-4 - 2n = 60$ SELLING	⑯ $19 - 3n = 82$ BUCK
$x = -10$ some	$n = -1$ farmers	$x = 3$ are	$n = -32$ selling
$x = -8$ something	$x = 7$ they	$x = 6$ call	$n = 4$ pirate
$n = -4$ corn	$x = 12$ because	$x = 5$ it	$n = 11$ costs
$x = -2$ a	$n = -21$ buck	$n = 9$ an	$n = 15$ ear

# Pizzazz WS Pg. 206

$$\textcircled{1} \quad 4x - 6 = 22$$
$$4x - 6 + 6 = 22 + 6$$

$$\frac{4x}{4} = \frac{28}{4}$$

$$\boxed{x = 7}$$

$$\textcircled{5} \quad -4x + 6 = -42$$
$$-4x + 6 - 6 = -42 - 6$$

$$\frac{-4x}{-4} = \frac{-48}{-4}$$

$$\boxed{x = 12}$$

$$\textcircled{2} \quad 9x + 2 = 47$$
$$9x + 2 - 2 = 47 - 2$$

$$\frac{9x}{9} = \frac{45}{9}$$

$$\boxed{x = 5}$$

$$\textcircled{6} \quad -11x + 4 = 26$$
$$-11x + 4 - 4 = 26 - 4$$

$$\frac{-11x}{-11} = \frac{22}{-11}$$

$$\boxed{x = -2}$$

$$\textcircled{3} \quad 2x + 1 = -15$$
$$2x + 1 - 1 = -15 - 1$$

$$\frac{2x}{2} = \frac{-16}{2}$$

$$\boxed{x = -8}$$

$$\textcircled{7} \quad 8x - 18 = 6$$
$$8x - 18 + 18 = 6 + 18$$

$$\frac{8x}{8} = \frac{24}{8}$$

$$\boxed{x = 3}$$

$$\textcircled{4} \quad -6x - 11 = 49$$
$$-6x - 11 + 11 = 49 + 11$$

$$\frac{-6x}{-6} = \frac{60}{-6}$$

$$\boxed{x = -10}$$

$$\textcircled{8} \quad 3x + 7 = 25$$
$$3x + 7 - 7 = 25 - 7$$

$$\frac{3x}{3} = \frac{18}{3}$$

$$\boxed{x = 6}$$

$$\begin{aligned} \textcircled{9} \quad 1-9n &= -80 \\ -9n+1-1 &= -80-1 \\ -9n &= -81 \\ \frac{-9n}{-9} &= \frac{-81}{-9} \end{aligned}$$

$$\boxed{n=9}$$

$$\begin{aligned} \textcircled{13} \quad -5n+9 &= -46 \\ -5n+9-9 &= -46-9 \\ -5n &= -55 \\ \frac{-5n}{-5} &= \frac{-55}{-5} \end{aligned}$$

$$\boxed{n=11}$$

$$\begin{aligned} \textcircled{10} \quad -5-15n &= 10 \\ -15n-5+5 &= 10+5 \\ -15n &= 15 \\ \frac{-15n}{-15} &= \frac{15}{-15} \end{aligned}$$

$$\boxed{n=-1}$$

$$\begin{aligned} \textcircled{14} \quad -27+4n &= 33 \\ 4n-27+27 &= 33+27 \\ 4n &= 60 \\ \frac{4n}{4} &= \frac{60}{4} \end{aligned}$$

$$\boxed{n=15}$$

$$\begin{aligned} \textcircled{11} \quad 12n+2 &= -46 \\ 12n+2-2 &= -46-2 \\ 12n &= -48 \\ \frac{12n}{12} &= \frac{-48}{12} \end{aligned}$$

$$\boxed{n=-4}$$

$$\begin{aligned} \textcircled{15} \quad -7n-20 &= -48 \\ -7n-20+20 &= -48+20 \\ -7n &= -28 \\ \frac{-7n}{-7} &= \frac{-28}{-7} \end{aligned}$$

$$\boxed{n=4}$$

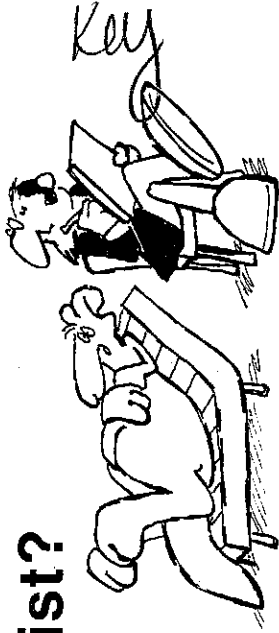
$$\begin{aligned} \textcircled{12} \quad -4-2n &= 60 \\ -2n-4+4 &= 60+4 \\ -2n &= 64 \\ \frac{-2n}{-2} &= \frac{64}{-2} \end{aligned}$$

$$\boxed{n=-32}$$

$$\begin{aligned} \textcircled{16} \quad 19-3n &= 82 \\ -3n+19-19 &= 82-19 \\ -3n &= 63 \\ \frac{-3n}{-3} &= \frac{63}{-3} \end{aligned}$$

$$\boxed{n=-21}$$

# Why Did The Kangaroo See A Psychiatrist?



Find the graph of the solution set of any inequality below in the corresponding column of graphs. Notice the letter next to it. Write this letter in each box that contains the number of that exercise. Keep working and you will discover the answer to the title question.

① $x < 1$	⑨		⑩ $x < -1$	ⓐ	
② $x \leq 1$	⑩		⑪ $-1 < x$	ⓑ	
③ $x > 1$	⑪		⑫ $3 \geq x$	ⓒ	
④ $x \geq 1$	⑫		⑬ $x < 3$	ⓓ	
⑤ $x \neq 1$	⑬		⑭ $x \neq 0$	ⓔ	
⑥ $x < -2$	⑭		⑮ $0 \leq x$	ⓕ	
⑦ $x > -2$	⑮		⑯ $0 \geq x$	ⓖ	
⑧ $x \leq -2$	⑯		⑰ $0 < x$	ⓗ	
⑨ $x \geq -2$	⑰		⑱ $0 > x$	ⓘ	

6	16	15	13	11	16	7	16	1	15	6	4	6	16	15	5	9	12	16	16	8	2	11	3	9	13	18	10	17	14	4
H	E	W	O	N	D	E	R	E	D	W	H	Y	H	E	W	A	S	F	E	L	I	N	G	S	O	J	U	M	P	Y