What Did The Farmer Do When His Chicken Wouldn't Lay Any Eggs?

DIRECTIONS:

For each exercise, determine whether or not the number in braces is a solution of the given equation.

Indicate "yes" or "no" by circling the number-letter in the appropriate column next to the exercise. Then write the letter in the matching numbered box at the bottom of the page.

(Use Substitution)

#	Equation	Braces	Yes	No
1	$2x + 5 = 13$ $2(4) + 5 = 13$	{4}	(9-D)	26-U
2	$3y - 1 = 26$	{9}	2-E	12-K
3	$6 + 5x = 44$	{8}	19-1	23-A
4	$12 - x = 7$	{5}	16-N	4-B
5	$5n - 4 = 92$	{20}	24-Y	6-0
6	$52 = 6x + 10$	(7)	12-E	3-P
7	$27 = 15a - 1$	{2}	8-I	26-L
8	$2x + 1 = 3x - 3$	{4]	19-G	27-K
9	$7x - 2 = 4x + 9$	{1}	11-D	4-S
10	$m + 20 = 11m - 6$	{3}	15-U	13-R
11	$18 + 5x = 8x$	(6)	24-M	10-0
12	$3x + 10 = 4$	1-21	8-E	20-1
13	$4y - 1 = -21$	{-5}	1-H	22-F
14	$6 + 2u = {}^-7$	{-8}	25-T	15-A
15	$30 - x = 31$	{-1}	27-E	14-0
16	$9 - 5x = {}^-40$	{10}	3-L	7-W
17	$^-12 = 6w + 6$	{-3}	11-H	18-A
18	$x + 8 = {}^-3x$	{-2}	20-G	25-D
19	$4y = y - 20$	7	22-G	5-H
20	$^-7d = 50 + 2d$	{8}	17-1	25-P
21	$6x + 1 = 3x - 11$	{-4}	18-E	21-0
22	$10k - 9 = 9k + 10$	{0}	10-C	22-S

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
								D																		

Why did the ant run across the cracker box?

Do any exercise below and find your answer in the corresponding answer column. The letter of the exercise goes in the box that contains the number of the answer. Keep working and you will discover the answer to the title question. *(NO Calculators)*

T) $^-15 + 7 = {}^-8$	23) 7
A) $8 - {}^-21 =$	32) -27
D) $(3)({}^-9) =$	28) 50
H) $^-24 \div 4 =$	(13) -8
E) $^-9 + {}^-13 =$	25) -6
O) $(^-2)(^-25) =$	36) -5
L) $^-50 - 30 =$	5) 29
G) $^-56 \div {}^-8 =$	8) -80
E) $32 + {}^-37 =$	3) -22

T) $(^-15 \div 3) + 14 =$	2) -1
E) $(^-10 + {}^-5)(^-2) =$	4) 3
H) $(^-3 - 4) \div 7 =$	10) -55
D) $(^-9 \cdot 6) + {}^-4 =$	7) 30
O) $(^-30 - {}^-22) \cdot 6 =$	12) -58
A) $(20 \div 4) \cdot {}^-11 =$	34) 100
E) $(28 - {}^-10) - 7 =$	30) 9
I) $(^-13 + {}^-12)(^-4) =$	31) 31
L) $(4 \cdot {}^-6) \div {}^-8 =$	21) -48

I) $^-5 \cdot 20 =$	9) 12
T) $30 \div {}^-2 =$	11) -100
A) $^-9 - {}^-19 =$	22) 77
N) $^-7 \cdot {}^-11 =$	26) -14
O) $^-7 + {}^-11 =$	24) -15
S) $^-60 \div {}^-5 =$	1) -24
T) $12 - 36 =$	33) -26
E) $^-17 - {}^-3 =$	14) -18
L) $\dfrac{260}{-10} =$	17) 10

E) $(^-6 + 17) - 20 =$	18) 14
A) $(^-64 \div 2) \div {}^-2 =$	20) 2
B) $(^-5 - {}^-6) \cdot {}^-87 =$	16) -9
T) $(^-40 + {}^-50) \div 9 =$	35) -12
R) $(^-13 \cdot {}^-2) + {}^-12 =$	6) -87
N) $(42 \div {}^-7) - 6 =$	27) 75
D) $(^-5 - {}^-30)(3) =$	15) 72
L) $(^-12 + {}^-18) \div {}^-15 =$	29) -10
T) $(^-8 \cdot {}^-8) - {}^-8 =$	19) 16

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
												T					

19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36

Simplify the Expressions – No Exponents   **Worksheet # 3**
** *SHOW WORK AND CIRCLE YOUR ANSWERS. Remember to change ALL subtraction to ADDING THE OPPOSITE!* **

1.) $8x+3(7x-6)$

2.) $2n+4(n+10)$

3.) $-9(4x-8)+2x$

4.) $8(x-4)-4$

5.) $7x-3(2x+5)$

6.) $-8n-7(n+5)$

7.) $10(8-2x)$

8.) $8+2(-7n+5)$

9.) $-5(2x-4)-10$

10.) $-5(n+10)+5n$

Answer Bank: (Not all will be used)

-10x + 10	-14n + 18	-20x + 12	x + (-15)	8x – 36	-18 + 29x
6n + 40	-15n – 35	-15n + 25	-50	80 – 20x	-34x + 72