

6.1 PRACTICE

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.



		Yes	No
①	$2x + 5 = 13$	{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	$3x + 10 = 4$	{-2}	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
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

6.1 Solving One-Step Equations

Solve each equation.

1) $16 + b = 19$

2) $k - 17 = -3$

3) $n + 18 = 30$

4) $5 = k - 12$

5) $14.4 = -0.7 + n$

6) $2.7 + b = -3.9$

7) $4.9 = v - 8.6$

8) $1.06 = p - 2.44$

9) $66 = -6x$

10) $-15a = -60$

11) $-60 = 6p$

12) $1 = \frac{x}{13}$

13) $-9.4r = -171.08$

14) $-14.25 = -2.5k$

$$15) 15.92n = 39.8$$

$$16) -10.2x = 46.92$$

$$17) r + 4 = 23$$

$$18) -300 = -20x$$

$$19) \frac{k}{5} = -11$$

$$20) 18 = \frac{r}{19}$$

$$21) r + 15 = -2$$

$$22) 81 = 9a$$

$$23) 14p = 28$$

$$24) n - 16.9 = -27$$

$$25) 0.8 = \frac{x}{8.2}$$

$$26) 1.3x = 18.72$$

$$27) n - 5.5 = -1.64$$

$$28) -13.6 = b + 3.1$$

$$29) p - 1.62 = 13.98$$

$$30) p - 2.7 = 10.81$$

Answers to 6.1 Solving One-Step Equations

- | | | | |
|------------|-------------|------------|-------------|
| 1) {3} | 2) {14} | 3) {12} | 4) {17} |
| 5) {15.1} | 6) {-6.6} | 7) {13.5} | 8) {3.5} |
| 9) {-11} | 10) {4} | 11) {-10} | 12) {13} |
| 13) {18.2} | 14) {5.7} | 15) {2.5} | 16) {-4.6} |
| 17) {19} | 18) {15} | 19) {-55} | 20) {342} |
| 21) {-17} | 22) {9} | 23) {2} | 24) {-10.1} |
| 25) {6.56} | 26) {14.4} | 27) {3.86} | 28) {-16.7} |
| 29) {15.6} | 30) {13.51} | | |