What Problem Did the Dumb Gangster Have When the Boss Told Him to Blow Up a Car?

Solve each equation below. Find your solution in the set of answers under the exercise and notice the letter next to it. Write this letter in each box that contains the number of that exercise.

① $3n + 5 = 6$

② $4 + 5x = 1$

③ $4y - 15 = -10$

④ $3 - 4d = 13$

⑤ $8 = 9x - 7$

Answers:

Ⓐ $-2\frac{1}{2}$ Ⓞ $\frac{1}{3}$

Ⓓ $-\frac{3}{5}$ Ⓤ $1\frac{2}{3}$

Ⓕ $1\frac{7}{9}$ Ⓘ $1\frac{1}{4}$

⑥ $-22 = 11 - 6a$

⑦ $8t + 23 = 17$

⑧ $50 - 3u = 75$

⑨ $21 = -10m - 3$

⑩ $13x + 5x = 3$

Answers:

Ⓔ $-2\frac{2}{5}$ Ⓖ $-1\frac{7}{10}$

Ⓝ $-8\frac{1}{3}$ Ⓣ $-\frac{3}{4}$

Ⓛ $5\frac{1}{2}$ Ⓑ $\frac{1}{6}$

⑪ $3x - 7 + 2x = 9$

⑫ $4 - 2y - y = 12$

⑬ $-15 = 6p + 15 - 10p$

⑭ $-n + 5 + 21n = 0$

⑮ $4e - 3e - 2e = 1 - 9$

Answers:

Ⓢ $7\frac{1}{2}$ Ⓡ $-2\frac{2}{3}$

Ⓜ $-6\frac{3}{4}$ Ⓧ $3\frac{1}{5}$

Ⓟ 8 Ⓗ $-\frac{1}{4}$

10	5	12	8	9	2	14	3	13	6	3	15	13	1	8	9	11	14	4	5	13	7	15	3	15	9
H	E												T	H	E										

OBJECTIVE 4–h: To solve equations of the form $ax + b = c$, where a is an integer (solutions are not necessarily integers).

ALGEBRA WITH PIZZAZZ!
© Creative Publications

35

CRYPTIC QUIZ

1. Why does Beethoven now spend all his time erasing music?

   $\overline{16}$ $\overline{6}$ $\overline{-4}$ $\overline{10}$ $\overline{-3}$ $\overline{6}$ $\overline{-9}$ $\overline{7}$ $\overline{20}$ $\overline{-5}$ $\overline{7}$ $\overline{10}$ $\overline{-4}$ $\overline{3}$ $\overline{21}$

2. What is it called when a sea bird lands on a channel marker?

   $\overline{-36}$ $\overline{9}$ $\overline{7}$ $\overline{-8}$ $\overline{20}$ $\overline{6}$ $\overline{6}$ $\overline{-2}$ $\overline{10}$ $\overline{21}$ $\overline{9}$ $\overline{11}$ $\overline{11}$

3. How does a tree feel after a hard day at work?

   $\overline{-36}$ $\overline{9}$ $\overline{10}$ $\overline{16}$ $\overline{6}$ $\overline{-3}$

TO DECODE THE ANSWERS TO THESE QUESTIONS:

Solve each equation below and find your answer in the code. Each time the solution appears, write the letter of that exercise above it.

(O) $8u = 3u + 35$

(N) $7y = 33 - 4y$

(E) $2x + 48 = 10x$

(T) $5t - 26 = 18t$

(I) $k = 8k + 28$

(G) $-30n = -27n - 63$

(H) $4x + 4 = 2x + 36$

(D) $9y - 1 = y - 25$

(P) $14p - 8 = 22 + 20p$

(L) $z + 81 = 9z - 7$

(Y) $39 - 12w = 7 - 16w$

(C) $-15v - 40 = 23 - 8v$

(M) $63 - x = 2x + 3$

(U) $3n + 46 = 1 + 8n$

(B) $12r - 18 = 13r + 18$

(S) $-x - 1 = x - 21$

OBJECTIVE 4–n: To solve equations having the variable in both sides.