What is the value of k in the equation $k + 34 = 61$?

a. 27
b. 32
c. 31
d. 25

Billy solved an equation incorrectly, as shown below:

Step 1: $41 + n = 66$?

Step 2: $n = 66 + 41$

Step 3: $n = 25$

Which statement **best** explains why Step 2 is incorrect in Billy's solution?

a. He did not add 41 to 66.
b. He did not multiply 66 by 41.
c. He did not divide 66 by 41.
d. He did not subtract 41 from 66.

How many solutions can be found in the equation $-21k + 6 = 3(k - 8k) + 6$?

a. Two
b. One
c. Infinitely many
d. Zero

What is the value of t in the equation $5(2t + 45) = 575$?

a. 32
b. 37
c. 35
d. 40

An equation is shown below:

$4(6k - 7) = 68$

Which of the following correctly shows the beginning steps to solve this equation?

a. Step 1: $24k - 7 = 68$
   Step 2: $10k = 75$
b. Step 1: $24k - 28 = 68$
   Step 2: $24k = 96$
c. Step 1: $24k - 7 = 68$
   Step 2: $24k = 75$
d. Step 1: $6k - 3 = 68$
   Step 2: $6k = 71$

How many solutions can be found in the equation $36 + 9p = 35 + 9p$?

a. Zero
b. Infinitely many
c. Two
d. One

The steps below show the incomplete solution to find the value of x in the equation.

$7x - 3x - 4 = 6 + 8$

Step 1: $7x - 3x - 4 = 6 + 8$

Step 2: $7x - 3x - 4 = 14$

Step 3: $4x - 4 = 14$

Which of these is **most** likely the next step?

a. $4x = 10$
b. $4x = 18$
c. $4x = 4$
d. $4x = 14$

What is the value of t in the equation $6t + 2(t + 4) = 7t + 36$?

a. 27
b. 24
c. 28
d. 33

powered by ExamView

What is the value of p in the equation $2p = -44 + 2p + 2p - 18$?

a. 36
b. 34
c. 31
d. 30

powered by ExamView

What is the value of t in the equation $2t + 2(t + 3 + 5) = 2t + 68$?

a. 32
b. 22
c. 27
d. 26

powered by ExamView

How many solutions can be found in the equation $-37n + 9 = 6(n - 7n) + 6$?

a. Two
b. One
c. Zero
d. Infinitely many

powered by ExamView

Which of these is the simplified form of the equation $16p + 3 = 87 + 8p + 4p$?

a. $7p = 81$
b. $4p = 84$
c. $4p = 81$
d. $7p = 84$

powered by ExamView

What is the value of p in the equation $3p = -8(p + 3) + 9p + 86$?

a. 31
b. 30
c. 37
d. 27

powered by ExamView

An equation is shown below:

$4(7t - 6) = 116$

Which of the following correctly shows the beginning steps to solve this equation?

a. Step 1: $28t - 24 = 116$
Step 2: $28t = 140$
b. Step 1: $28t - 6 = 116$
Step 2: $11t = 122$
c. Step 1: $28t - 6 = 116$
Step 2: $28t = 122$
d. Step 1: $7t - 2 = 116$
Step 2: $7t = 118$

powered by ExamView

How many solutions can be found in the equation $-21.9n + 5.9 = 7.3(n - 4n) + 5.9$?

a. One
b. Two
c. Zero
d. Infinitely many

powered by ExamView

What is the solution to the equation?

$$\frac{7}{14}r - \frac{33}{14} = \frac{10}{14}r$$

a. -13
b. -11
c. -7
d. -16