Solving Linear Equations	ANSWER:
Solve each equation.	g = 28
1. n – 20 = 5	
SOLUTION:	5. 19 + p = 6
n – 20 = 5	SOLUTION:
n – 20 + 20 = 5 + 20	19 + p = 6
n = 25	19 - 1 9 + p = 6 - 1 9
ANSWER:	p = -13
n = 25	ANSWER:
	p = -13
2. 104 = y - 67	6. 15 = b – (-65)
SOLUTION:	SOLUTION:
104 = y - 67	15 = b – (-65)
104 + 67 = y - 67 + 67	15 <mark>- 65</mark> = b - (-65) <mark>- 65</mark>
171 = y	b = -50
ANSWER:	ANSWER:
y = 171	b = -50
34 + t = -7	13. v – 9 = 14
SOLUTION:	SOLUTION:
-4 + t = -7	v – 9 = 14
-4 + 4 + t = -7 + 4	v – 9 + 9 = 14 + 9
t = -3	v = 23
ANSWER:	ANSWER:
t = -3	v = 23
4. g + 5 = 33	14. 44 = t – 72
SOLUTION:	SOLUTION:
g + 5 = 33	44 = t – 72
g + 5 <mark>- 5</mark> = 33 - 5	44 + 72 = t - 72 + 72
g = 28	116 = t

ANSWER:	ANSWER:
t = 116	c = 7
1561 = d + (-18)	19. n + 23 = 4
SOLUTION:	SOLUTION:
-61 = d + (-18)	n + 23 = 4
-61 + 18 = d + (-18) + 18	n + 23 – 23 = 4 – 23
d = -43	n = -19
ANSWER:	ANSWER:
d = -43	n = -19
16. p + (-26) = 16	2067 = 11 + k
SOLUTION:	SOLUTION:
p + (-26) = 16	-67 = 11 + k
p + (-26) + <mark>26</mark> = 16 + <mark>26</mark>	-67 - 11 = 11 - 11 + k
p = 42	-78 = k
ANSWER:	ANSWER:
p = 42	k = -78
17. 18 + z = 40	Page 86
SOLUTION:	14. $\frac{x}{9} = 10$
18 + z = 40	SOLUTION:
18 - 18 + z = 40 - 18	$\frac{x}{9} = 10$
z = 22	$\frac{x}{9} * 9 = 10 * 9$
ANSWER:	,
z = 22	x = 90
	ANSWER:
18. 19 = c + 12	x = 90
SOLUTION:	h
19 = c + 12	$15.\frac{b}{7} = -11$
19 - 12 = c + 12 - 12	SOLUTION:
7 = c	$\frac{b}{7} = -11$

$$\frac{b}{7} * 7 = -11 * 7$$

$$b = -77$$

$$ANSWER:$$

$$\frac{3}{5}g = -6$$

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$$\frac{3}{5}g = -6$$

$$\frac{3}{5}g * \frac{5}{3} = -6 * \frac{5}{3}$$

$$\frac{5}{3} \text{ undoes the fraction with g}$$

$$g = -10$$

$$ANSWER:$$

$$SOLUTION:$$

$$\frac{3}{4} = \frac{c}{24}$$

$$g = -10$$

 $\frac{3}{4} * 24 = \frac{c}{24} * 24$ The LCD for the fractions is 24

 $\frac{2}{3} * 24 = \frac{1}{8}y * 24$ The LCD for the fractions is 24

 $\frac{2}{3}n * \frac{3}{2} = 14 * \frac{3}{2}$ $\frac{3}{2}$ undoes the fraction with n

18 = c

c = 18

17. $\frac{2}{3} = \frac{1}{8}y$

SOLUTION:

 $\frac{2}{3} = \frac{1}{8}y$

16 = y

y = 16

18. $\frac{2}{3}n = 14$

SOLUTION:

 $\frac{2}{3}n = 14$

n = 21

n = 21

ANSWER:

ANSWER:

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