Name_____ Date _____

3.5 Puzzle Time

What Did One Bowling Ball Say To The Other Bowling Ball?

Write the letter of each answer in the box containing the exercise number.

Solve the equation.

1. $2c - 5 = 9$ $C = 7$

2. $3m + 7 = -8$ $m = -5$

3. $-7x - 3 = 12$ $x = -2\frac{1}{7}$

4. $15 = 4a + 3$ $a = 3$ 8

5. $5y - 6 = -20$ $y = -2\frac{4}{5}$

6. $9f + 3.6 = 10.8$ $f = 0.8$

7. $-4p - 5.7 = 11.1$ $p = -4.2$

8. $-20.3 = 6w + 3.1$ $w = -3.9$

9. $2 + 5.3k = 18.43$ $k = 3.1$

10. $7.8b - 2.14 = -42.7$ $b = 5.2$

11. $\frac{1}{4}z - \frac{2}{7} = \frac{5}{7}$ $z = 4$

12. $7 = \frac{1}{6}(r - 18)$ $r = 60$

13. $-\frac{1}{3} + 5e = -\frac{3}{4}$ $e = -\frac{1}{12}$

14. $14d - 2d = -84$ $d = -7$

15. $-5g - 13g = 54$ $g = -3$

16. $-3(t - 8) = 32$ $t = -2\frac{2}{3}$

17. Kayla's age is 3 less than twice her brother's age. Kayla is 13 years old. How old is her brother?

$13 = 2x - 3$ $x = 8$

18. Mario spent $23.85 at the bookstore on one book and some magazines. The book cost $12.60 and the magazines cost $2.25 each. How many magazines did Mario buy? $12.60 + 2.25x = 23.85$

$x = 5$

19. Ethan planted a tree that is 37.5 inches tall. If the tree grows 3 inches each year, how long will it take for the tree to reach a height of 54 inches?

$37.5 + 3x = 54$

$x = 5.5$

Answers	
T. -5.2	N. 3
S. 5	M. 8
E. $-2\frac{4}{5}$	O. 3.1
L. $-2\frac{1}{7}$	T. 7
N. -7	O. $-\frac{1}{12}$
M. -5	I. 4
P. $-2\frac{2}{3}$	A. 0.8
O. -3.9	D. -3
L. 60	R. 5.5
O. -4.2	

15	7	4	10		18	1	13	16		17	5		11	2		8	14		6		19	9	12	3
D	o	n	t		s	t	o	p		m	e		I	m		o	n		a		r	o	l	L