Activity 24

Use the clues and the chart to determine the value of each letter, solve the cryptogram, and discover the classic joke.

$$s \times 15 = o + g + r$$

 $o \div s = 5.5$
 $r \times s > g \times s$

	0	g	r	S
2				
9				
10				
11				

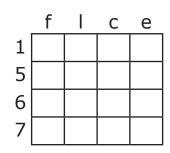
0	=	
g	=	
r	=	
S	=	

$$d \neq i \times t$$

 $i < t$
 $t = 2.6 + 1.4$

$$e \div 3 \neq 2$$

 $l < f < e$
 $l \neq 4.3 - 3.3$



Cryptogram (Parentheses separate double digits; they have no other meaning.)

Wh(12)4 838 4h7 2(12)5(12)8 2(12)y 4(11) 4h7 (10)76(10)397(10)(12)4(11)(10)? 15(11)27 4h7 8(11)(11)(10); 3'm 8(10)7223n9!

Answers

Page 24: What did the salad say to the refrigerator? Close the door; I'm dressing!

	0	g	r	S
2				+
9	_	+	_	_
10	_	_	+	_
11	+	_	_	_

Answers: o = 11; g = 9; r = 10; s = 2If s times 15 equals o plus g plus r, s must be 2, and o, g, and r must be 9, 10, or 11. If o divided by s equals 5.5, o must be 11 for the equation to be true. If r times s is greater than g times s, r must be greater than g. Therefore, r must be 10 and g must be 9.

	_			
	d	i	а	t
3		+	_	_
4	_	_	_	+
8	+	_	_	_
12	_	_	+	_

Answers: d = 8; i = 3; a = 12; t = 4If t equals 2.6 plus 1.4, t must be 4. If i is less than t, i must be 3, the smallest number. If d does not equal i times t, d is not 12; therefore, d must be 8, the only remaining number. a is then 12.

	f	I	С	е
1			+	_
5	_	+	_	_
6	+			_
7				+

Answers: f = 6; l = 5; c = 1; e = 7If e divided by 3 does not equal 2, e is not 6. If e does not equal 4.3 minus 3.3, e is not 1. If e is less than e and e, and e is not 1, then e must be 5, the next lowest number. If e is greater than e and e must be 7, the largest number. e must then be 6 since it is greater than e and less than e and less than e is then 1.