Name _____ Date _____ Class _____
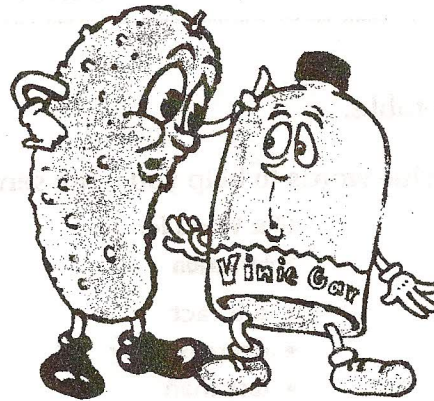
Puzzles, Twisters & Teasers
Riddle Me This

What did the cucumber say to the vinegar?

To find out, choose the correct algebraic
expression for each word phrase. Then find
the letter associated with each expression
you wrote to complete the decoder below.

1. 8 more than the number n

$238n$	T
$9n$	U
$n - 14$	V
$8 + n$	P

2. 9 times a number n

$n + 9$	F
$9n$	E
$9 \div n$	D
$16n$	G

3. a number n decreased by 12

$17 - n$	J
$12n$	K
$32 - n$	L
$n - 12$	I

4. a number n divided by 17

$\dfrac{33}{n}$	M
$n - 3$	O
$n \div 17$	N
$17 + n$	I

5. quotient of a number n and 16

$16 \div 4$	B
$3n$	L
$n \div 16$	A
$16n$	R

6. 3 less than a number n

$4n + 16$	F
$n + 8$	G
$n - 3$	K
$6n - 3$	L

7. the sum of 4 and a number n

$n + 4$	C
$15n - 30$	D
$4n$	E
$n \div 4$	F

8. the sum of a number n and 8

$n + 8$	L
$8n$	Q
$n - 8$	M
$8 \div 8$	U

9. the difference of a number n and 32

$n + 32$	S
$32n$	T
$n - 32$	R
$32 + n$	U

10. a number n divided by 5

$n \div 5$	W
$n + 5$	M
$n - 5$	N
$25 + 5$	O

__	__		__	__	__		__	__
10	2		5	9	2		3	4

__		__	__	__	__	__
5		1	3	7	6	8	2

24

Holt Pre-Algebra