

SECTION 2A **Ready to Go On? Quiz**

2-1 Variables and Expressions

Evaluate each expression to find the missing values in the tables.

1.

v	$v - 16$
27	11
37	<input type="text"/>
47	<input type="text"/>

2.

x	$5x$
25	125
50	<input type="text"/>
75	<input type="text"/>

3.

y	$4y + 2$
4	18
5	<input type="text"/>
6	<input type="text"/>

4.

n	$\frac{n}{3}$
27	9
30	<input type="text"/>
36	<input type="text"/>

5. Harris and Lisa can wash 5 cars in 1 hour. How many cars can they wash in 2, 3, 4, and 5 hours?

6. Richard wants to buy some thank-you cards. Each package contains 12 cards. How many cards will Richard have if he buys 3, 4, 5, or 6 packages?

2-2 Translating Between Words and Math

7. The planet Saturn takes about thirty times longer than Earth to orbit the Sun. Let e represent the number of years it takes Earth to orbit the Sun. Write an expression to show how much longer it takes Saturn to orbit the Sun.

8. Let b represent the number of push-ups Brian did in gym class. Jeanette did 4 more push-ups than Brian. Write an expression to show how many push-ups Jeanette did.

SECTION 2A **Ready to Go On? Quiz** continued

2-2 Translating Between Words and Math (continued)

Write each phrase as a numerical or algebraic expression.

9. 386 minus 74

10. the sum of 30 and z

11. the product of 4 and x

Write two phrases for each expression.

12. $58 \times t$

13. $\frac{b}{9}$

14. $38 + 15$

2-3 Translating Between Tables and Expressions

Make a table for each sequence. Then write an expression for each sequence.

15. 4, 8, 12, 16

16. 15, 16, 17, 18

Write an expression for the missing value in each table.

17.

Campers	Daily Meals
20	60
30	90
40	120
n	

18.

Bill's Age	Glenda's Age
11	8
12	9
13	10
n	

LESSON **Puzzles, Twisters & Teasers**
2-2 Double Time

How many hours did the world's longest doubles table tennis match last?



To find the answer:

1. Use a ruler to match each expression with a phrase for that expression. (Each line you draw will cross a number and a letter.)
2. Write the letter under the matching number in the decoder.

$a + 55$				x divided by 19
$70 \div 35$			13	D the quotient of 70 and 35
$500 - 125$	H	E	7	55 times a
$k + 73$	1	12	N	the sum of a and 55
$\frac{x}{19}$	3		E	313 minus 262
$313 - 262$		10		take away 125 from 500
$x \cdot 19$	N		6	the product of x and 19
$70 + 35$		4	R	35 added to 70
$k \cdot 73$			D	16 times n
$500 \div 125$		2	8	16 plus n
$55a$	E		9	73 more than k
$16n$		N	O	k times 73
$16 + n$			11	500 divided by 125

DECODER

7	4	1	12	8	9	3	5	11	13	2	6	10

LESSON **Puzzles, Twisters & Teasers**
2-3 **Weather Forecast**

What kind of animal can forecast the weather?

Use the table below to answer Exercises 1– 8. Circle the correct answer. Then put the letter above the correct answer on the lines.

Position	1	2	3	4	5	n
Value of Term	4	7	10	13	16	?

1. What is the value of the 6th term?

K	A	B	R
16	17	18	19

2. What is the value of the 7th term?

P	J	E	O
18	20	22	24

3. What is the value of the 8th term?

L	I	F	D
20	25	30	35

4. What is the value of the 9th term?

X	C	N	H
21	22	28	38

5. What is the value of the 10th term?

D	S	W	U
31	41	51	61

6. What is the value of the 11th term?

L	Q	E	Z
24	30	34	43

7. What is the value of the 12th term?

B	G	M	E
34	35	36	37

8. What is the value of the 13th term?

R	T	A	Y
40	42	44	46

1. 2. 3. 4. 5. 6. 7. 8.