

LESSON **Practice A**
2-3 *Translating Between Tables and Expressions*

Circle the letter of the correct answer.

1. Which sentence about the table is true?

Cars	Wheels
1	4
2	8
3	12
c	$4c$

- A The number of wheels is the number of cars plus 4.
- B The number of wheels is the number of cars minus 4.
- C The number of wheels is the number of cars divided by 4.
- D The number of wheels is 4 times the number of cars.

2. Which sentence about the table is not true?

Brett's Age	Joy's Age
10	11
11	12
12	13
b	$b + 1$

- F Joy's age is Brett's age plus 1.
- G When Brett's age is b , Joy's age is $b + 1$.
- H Add 1 to Brett's age to get Joy's age.
- J Subtract 1 from Brett's age to get Joy's age.

Write an expression for the missing value in each table.

3.

Motorcycle	Wheels
1	2
2	4
3	6
m	

4.

Marbles	Bags
15	3
20	4
25	5
m	

Write an expression for the sequence in the table.

5.

Position	1	2	3	4	5	n
Value of Term	3	4	5	6	7	

6. What is the value of the term in position 6 in Exercise 5? _____

LESSON **Practice B**
2-3 *Translating Between Tables and Expressions*

Write an expression for the missing value in each table.

1.

Bicycles	Wheels
1	2
2	4
3	6
b	

2.

Ryan's Age	Mia's Age
14	7
16	9
18	11
r	

3.

Minutes	Hours
60	1
120	2
180	3
m	

4.

Bags	Potatoes
3	21
4	28
5	35
b	

Write an expression for the sequence in each table.

5.

Position	1	2	3	4	5	n
Value of Term	3	4	5	6	7	

6.

Position	1	2	3	4	5	n
Value of Term	5	9	13	17	21	

7. A rectangle has a width of 6 inches. The table shows the area of the rectangle for different widths. Write an expression that can be used to find the area of the rectangle when its length is l inches.

Width (in.)	Length (in.)	Area (in. ²)
6	8	48
6	10	60
6	12	72
6	l	