2.3 Translating Between Tables & Expressions

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Write an expression for the missing value in the table.

Spike's Age	Rusty's Age	Rusty's age is Spike's age plus 4
2	6	2 + 4 = 6
3	7	3 + 4 = 7
4	8	4 + 4 = 8
а	a + 4	a + 4

When Spike's age is a, Rusty's age is a + 4.

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Write an expression for the missing value in the table.

Reilly's Age	Ashley's Age		
9	11]9/	42
10	12		+2
11	13][1	+2
12	14][2	1+1
n	∩± 2]	

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Write an expression for the missing value in

the table.				
Ty's Age	Rich's Age			
1	7	X7=7 2X7=14 3X7=2		
2	14	2x7=14		
3	21	317=21		
а	a.7			
7·a				
Ta				

Write an expression for the missing value in the table.

Eggs	Dozens	
12	1	2 ÷ 2 = 24 ÷ 2 = 2
24	2	24÷12=2
36	3	36-12=3 48-12=4
48	4	48-12=4
е	e:12]
	е	
	12	

Write an expression for the sequence in the table.

Position	1	2	3	4	n	
Value	7	10	13	16	*	3n+4

Look for a relationship between the positions and the values of the terms in the sequence. Use guess and check. Guess 3n + 4

Guess 7n

Check by substituting 2.

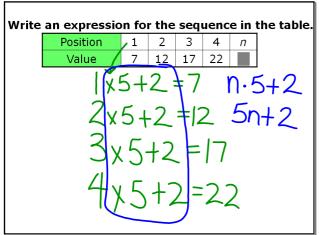
Check by substituting 2. 7 • 2 does not equal 10. $3 \cdot 2 + 4 = 10.$

The expression 3n + 4 works for the entire sequence.

 $3 \bullet 1 + 4 = 7$, $3 \bullet 2 + 4 = 10$, $3 \bullet 3 + 4 = 13$, $3 \bullet 4 + 4 = 16$

The expression for the sequence is 3n + 4.

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expression that can be used to find the area of the triangle when its height is h inches.

Base (in.) Height (in.) Area (in²)

6 1 2 3

6 2 2 6

6 3 2 9

6 h 2 h 2 h 2

A triangle has a base of 6 inches. The table shows the

area of the triangle for different heights. Write an

A triangle has a base of 4 inches. The table shows the area of the triangle for different heights. Write an expression that can be used to find the area of the triangle when its height is h inches.

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Base (in.)	Height (in.)	Area (in²)
4	3	6
4	4	8
4	5	10
4	h	

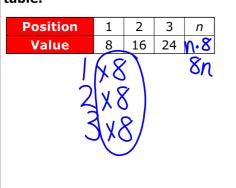
Write an expression for the missing value in the table.

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Scott's Age	Ray's Age	
11	15	11+4=15
12	16	12+4=16 13+4=17
13	17	13+4=17
х	X+4	

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Write an expression for the sequence in the table.



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

Width (in.)	Length (in.)	Area (in²)
7	4	28
7	< 5	35
7	6	42
7		フ・ノ
•	•	72

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