

Introduction to Algebra

Practice C: Variables and Expressions

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

1.

n	$n \div 15$
30	
75	
15	
105	

2.

n	$3n - 2^3$
3	
8	
10	
29	

3.

n	$n + 17$
34	
55	
26	
100	

4.

l	w	$l \times w$
5	3	
6	3	
7	3	
8	3	

Evaluate each expression for the given value of the variable.

5. $5x + 2$ for $x = 4$

6. $63 - 8z$ for $z = 7$

7. $176 \div p$ for $p = 2$

8. $\frac{64}{v} - 11$ for $v = 4$

9. $19w$ for $w = 5$

10. $98 - 5q$ for $q = 7$

11. $48 \div n$ for $n = 3$

12. $x + x + x$ for $x = 15$

13. $16 + n^2$ for $n = 3$

14. What is the next expression in the following pattern: $4n$; $8n$; $16n$?

15. What is the next expression in the pattern $x + 27$; $x + 24$; $x + 21$?

