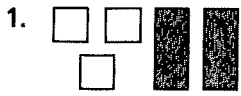


Practice 2-2

Variables and Expressions

Write a variable expression for each model. Squares represent ones. Shaded rectangles represent variables.



Evaluate each expression.

4. $56 \div b$ for $b = 7$

5. $3m$ for $m = 9$

6. $8n$ for $n = 9$

7. $4y + 6$ for $y = 18$

8. $v + 16$ for $v = 9$

9. $2t - 8$ for $t = 21$

10. $2(4e)$ for $e = 5$

11. $12 - 2g$ for $g = 3$

12. $3pq$ for $p = 3$
and $q = 5$

13. $7n - (m + 18)$ for
 $n = 4$ and $m = 10$

14. $9r + 16$ for $r = 8$

15. $s(58 + t)$ for $s = 2$
and $t = 7$

16. $24 - 4t$ for $t = 4$

17. $3v + 5k$ for $v = 3$
and $k = 6$

18. $5d - (h + 9)$ for $d = 3$
and $h = 5$

Copy and complete each table.

19.

x	$x + 7$
2	9
5	12
8	
11	
	21

20.

x	$5x$
3	
6	
9	
12	
	75

21.

x	$125 - x$
15	
30	
45	
60	
	50

22.

x	$6x + 5$
2	
4	
	41
8	
10	

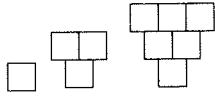
23. A cellular phone company charges a \$49.99 monthly fee for 600 free minutes. Each additional minute costs \$.35. This month you used 750 minutes. How much do you owe?

Practice 2-1

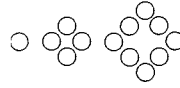
Describing a Pattern

Sketch the next two designs in each pattern.

1.



2.



Write the next three terms in each pattern.

3. 3, 5, 7, 9, _____

4. 34, 31, 28, 25, _____

5. 2, 6, 18, 54, _____

6. 12, 20, 28, 36, _____

7. 54, 53, 52, 51, _____

8. 7, 8, 10, 13, _____

Find the next three terms and write a rule to describe each number pattern.

9. 4, 7, 10, 13, ?, ?, ?

10. 2, 4, 8, 16, ?, ?, ?

11. 19, 29, 39, 49, ?, ?, ?

12. 8, 11, 14, 17, ?, ?, ?

13. 135, 125, 115, 105, ?, ?, ?

14. 5, 10, 20, 40, ?, ?, ?

15. Write the first five terms in a number pattern starting with the number 6. Write the rule that describes your pattern.

Find the missing term.

16. 7, 21, 63, ?, 567

17. 33, 27, ?, 15, 9

18. 14, 23, 32, ?, 50

19. ?, 20, 80, 320, 1,280
