

**Practice**

Write a variable expression for each phrase.

1. 5 less than a number  
\_\_\_\_\_

2. 15 more than the absolute value of a number  
\_\_\_\_\_

3. the product of a number and  $-8$   
\_\_\_\_\_

4. 5 more than a number, divided by  $-9$   
\_\_\_\_\_

5. 3 more than the product of 8 and a number  
\_\_\_\_\_

6. 3 less than the absolute value of a number, times 4  
\_\_\_\_\_

Write a variable expression for each situation. Explain what the variable represents.

7. the amount of money Waldo has if he has \$10 more than Jon  
\_\_\_\_\_

8. the amount of money that Mika has if she has some quarters  
\_\_\_\_\_

9. how much weight Kirk can lift if he lifts 30 lb more than his brother  
\_\_\_\_\_

10. how fast Rya runs if she runs 5 mi/h slower than Danee  
\_\_\_\_\_

Create a word phrase or sentence that can be represented by each variable expression.

11.  $n \div (-4)$   
\_\_\_\_\_

12.  $n + 4$   
\_\_\_\_\_

13.  $3n - 6$   
\_\_\_\_\_

14.  $-2(n + 5)$   
\_\_\_\_\_

15.  $3|n|$   
\_\_\_\_\_

16.  $\frac{n + 8}{4}$   
\_\_\_\_\_

Evaluate each expression for the value given.

17.  $11x + 7$  for  $x = 9$   
\_\_\_\_\_

18.  $29 - m$  for  $m = 18.5$   
\_\_\_\_\_

19.  $(40 \div y) + 26$  for  $y = 8$   
\_\_\_\_\_

20.  $26t - 18$  for  $t = 2\frac{1}{2}$   
\_\_\_\_\_

21.  $56 \div b$  for  $b = 4$   
\_\_\_\_\_

22.  $\frac{81}{d} + 27$  for  $d = 9$   
\_\_\_\_\_