

Variable and Verbal Expressions

Write each as an algebraic expression.

- 1) the difference of 10 and 5
- 2) the quotient of 14 and 7
- 3) u decreased by 17
- 4) half of 14
- 5) x increased by 6
- 6) the product of x and 7
- 7) the sum of q and 8
- 8) 6 squared
- 9) twice q
- 10) the product of 8 and 12
- 11) the quotient of 18 and n
- 12) n cubed

Write each as a verbal expression.

- 13) $\frac{x}{2}$
- 14) $a + 9$
- 15) $19 - 3$
- 16) $5n$
- 17) q^2
- 18) $\frac{40}{5}$
- 19) $\frac{a}{8}$
- 20) $x + 8$
- 21) $n - 14$
- 22) 2^2
- 23) $\frac{60}{5}$
- 24) $n \cdot 6$

Evaluate each expression.

- 25) 5 squared
- 26) the product of 8 and 10
- 27) 20 decreased by 17
- 28) the quotient of 96 and 8
- 29) twice 6
- 30) 10 less than 17
- 31) 9 times 5
- 32) 10 increased by 8
- 33) 7 squared
- 34) the product of 4 and 5

Variable and Verbal Expressions

Write each as an algebraic expression.

1) the difference of 10 and 5

$10 - 5$

3) u decreased by 17

$u - 17$

5) x increased by 6

$x + 6$

7) the sum of q and 8

$q + 8$

9) twice q

$2q$

11) the quotient of 18 and n $\frac{18}{n}$ 2) the quotient of 14 and 7 $\frac{14}{7}$ 4) half of 14 $\frac{14}{2}$

6) the product of x and 7

$x \cdot 7$

8) 6 squared 6^2

10) the product of 8 and 12

$8 \cdot 12$

12) n cubed n^3 **Write each as a verbal expression.**

13) $\frac{x}{2}$

half of x

15) $19 - 3$

the difference of 19 and 3

17) q^2

q squared

19) $\frac{a}{8}$

a divided by 8

21) $n - 14$

a number minus 14

23) $\frac{60}{5}$

the quotient of 60 and 5

14) $a + 9$

a increased by 9

16) $5n$

5 times a number

18) $\frac{40}{5}$

40 divided by 5

20) $x + 8$

x plus 8

22) 2^2

2 squared

24) $n \cdot 6$

a number times 6

Evaluate each expression.

25) 5 squared

25

27) 20 decreased by 17

3

29) twice 6

12

31) 9 times 5

45

33) 7 squared

49

26) the product of 8 and 10

80

28) the quotient of 96 and 8

12

30) 10 less than 17

7

32) 10 increased by 8

18

34) the product of 4 and 5

20