

Writing Expressions and Equations

Date _____ Period _____

Write each as an algebraic expression.

1) the quotient of 40 and 5

2) the difference of 20 and x

3) the product of 6 and 11

4) y squared5) the product of 2 and x 6) the quotient of 40 and n

7) the difference of 21 and 16

8) the sum of b and 129) v more than 5

10) 5 cubed

Write each as an algebraic equation.11) the quotient of v and 2 is equal to 4212) q divided by 3 is equal to 1313) 4 less than x is equal to 4914) n squared is 2015) n cubed is equal to 4816) d decreased by 17 is equal to 5

17) the product of n and 8 is equal to 18

18) the product of u and 9 is equal to 11

19) the sum of t and 5 is 38

20) n increased by 9 is 33

Write each as a verbal expression or equation.

21) $x - 18$

22) $n \cdot 12 = 12$

23) $8 + 5$

24) $\frac{n}{8} = 42$

25) $29 - m$

26) 5^2

27) $n \cdot 6 = 38$

28) $n + 11 = 16$

29) m^3

30) $\frac{x}{4} = 30$

Writing Expressions and Equations

Write each as an algebraic expression.

1) the quotient of 40 and 5

$$\frac{40}{5}$$

2) the difference of 20 and x

$$20 - x$$

3) the product of 6 and 11

$$6 \cdot 11$$

4) y squared

$$y^2$$

5) the product of 2 and x

$$2x$$

6) the quotient of 40 and n

$$\frac{40}{n}$$

7) the difference of 21 and 16

$$21 - 16$$

8) the sum of b and 12

$$b + 12$$

9) v more than 5

$$5 + v$$

10) 5 cubed

$$5^3$$

Write each as an algebraic equation.

11) the quotient of v and 2 is equal to 42

$$\frac{v}{2} = 42$$

12) q divided by 3 is equal to 13

$$\frac{q}{3} = 13$$

13) 4 less than x is equal to 49

$$x - 4 = 49$$

14) n squared is 20

$$n^2 = 20$$

15) n cubed is equal to 48

$$n^3 = 48$$

16) d decreased by 17 is equal to 5

$$d - 17 = 5$$

17) the product of n and 8 is equal to 18

$$n \cdot 8 = 18$$

18) the product of u and 9 is equal to 11

$$u \cdot 9 = 11$$

19) the sum of t and 5 is 38

$$t + 5 = 38$$

20) n increased by 9 is 33

$$n + 9 = 33$$

Write each as a verbal expression or equation.

21) $x - 18$

x decreased by 18

22) $n \cdot 12 = 12$

the product of n and 12 is 12

23) $8 + 5$

the sum of 8 and 5

24) $\frac{n}{8} = 42$

the quotient of n and 8 is equal to 42

25) $29 - m$

m less than 29

26) 5^2

5 squared

27) $n \cdot 6 = 38$

the product of n and 6 is 38

28) $n + 11 = 16$

the sum of n and 11 is equal to 16

29) m^3

m cubed

30) $\frac{x}{4} = 30$

the quotient of x and 4 is equal to 30