

Chapter 7: Variable Expressions

Write the variable expressions for the following questions.

1. Sum of 372 and d	$372 + d$
2. Take away s from 972	
3. 274 times g	
4. Divide 127 by p	
5. Minus 157 from b	
6. Add a and 1014	
7. Product of 61 and h	
8. 36 divide by x	
9. Subtract Q from 3422	
10. Product of L and 54	
11. Difference of 95 and c	
12. Multiply Y and 24	
13. Divide 7 by product of 23 and A	

Find the value of the variable expressions.

1. Given $d = 24$, find the value of $58 - d$.

2. $63 \times 7 = x$



3. $(138 \div f) + 18$

$$4. g \times 28 =$$

$$\text{given } g = 413$$

$$5. (h - 55) \div 10 =$$

$$\text{given } h = 105$$



$$6. 3974 + k \times 12 =$$

$$\text{given } k = 6$$

Solve the following variable equations.

1. $5(3 + m) = 80, m = ?$

2. $n + 17 = 42, n = ?$



3. $87 \div p = 29, p = ?$

$$4. q - 53 = 27, q = ?$$

$$5. 196 \times r = 588, r = ?$$



$$6. 52 + s \div 6 = 77, s = ?$$

Solve the following word problems. Express them in variable expressions.

1. Chris has 57 blue pens and f black pens. How many pens in total Chris has? Write the expression.

2. Shirley has c candies. Her sister has 27 candies more than her. How many candies does Shirley and her sister have? Write the expression.



3. Lynn has 9721 points in a contest, Lynn has S fewer points than Linda. Write the expression to show the points Linda has.

4. Zoey sold 92 apples on Monday, she sold k times more apples on Tuesday. Write the expression to show the apples Zoey sold on Tuesday.

5. Julene divided his bead collection in to 4 jars. There were 26 beads in each jar. How many beads did Julene had before he divided them? Write the equation.



6. Billy picked a bunch of flowers. He rearranged the flowers into 5 vases. When he was done, each vase had 5 flowers. Write the equation to show how many flowers did Billy picked.