

Practice 1-1 Variables and Expressions

Write an expression for each quantity.

1. the value in cents of 5 quarters _____
2. the value in cents of q quarters _____
3. the number of months in 7 years _____
4. the number of months in y years _____
5. the number of gallons in 21 quarts. _____
6. the number of gallons in q quarts _____

Write a variable expression for each word phrase.

- | | |
|--|--|
| 7. 9 less than k
_____ | 8. m divided by 6
_____ |
| 9. twice x
_____ | 10. 4 more than twice x
_____ |
| 11. the sum of eighteen and b
_____ | 12. three times the quantity 2 plus a
_____ |

Tell whether each expression is a numerical expression or a variable expression. For a variable expression, name the variable.

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|----------------------------|---------------------------|
| 13. $4d$ _____ | 14. $74 + 8$ _____ |
| 15. $\frac{4(9)}{6}$ _____ | 16. $14 - p$ _____ |
| 17. $5k - 9$ _____ | 18. $3 + 3 + 3 + 3$ _____ |
| 19. $19 + 3(12)$ _____ | 20. $25 - 9 + x$ _____ |

The room temperature is c degrees centigrade. Write a word phrase for each expression.

21. $c + 15$

22. $c - 7$
