

Chapter 4 Section 1: Translating Words into Algebra

Problems

Fill in the blanks.

1. The answer to a division problem is called the _____.
2. The answer to a subtraction problem is called the _____.
3. The answer to a multiplication problem is called the _____.
4. The answer to an addition problem is called the _____.

In problems 5–30, write an equivalent mathematical expression for each statement.

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|--|---|---|
| 5. Three times Tom's age.
_____ | 6. Fred's monthly salary increased by \$500.
_____ | 7. The difference of a number and 23.
_____ |
| 8. The sum of a number and -23 .
_____ | 9. The product of a number and -6 .
_____ | 10. -3 less than a number..
_____ |
| 11. The sum of Marisa's toys and Alec's toys.
_____ | 12. The quotient of a number and 7.
_____ | 13. Jolanta's new job pays her \$15,000 more a year.
_____ |
| 14. \$25 more than the price of the shoes.
_____ | 15. Laurence's pay tripled in a year.
_____ | 16. Eugene deposits \$432 into his bank account.
_____ |
| 17. The product of 14 and a number.
_____ | 18. The quotient of 18 and a number.
_____ | 19. The quotient of 12 and a number increased by 8.
_____ |
| 20. The product of a number and 33.
_____ | 21. \$16 more than the price of the T-shirt.
_____ | 22. The sum of a number and the product of 8 and 10.
_____ |
| 23. A number and 4 decreased by 8.
_____ | 24. The quotient of twice a number and 9.
_____ | 25. Twice Olivia's height decreased by 5 inches.
_____ |
| 26. x feet are cut from a 15-foot log.
_____ | 27. \$5 more than twice the price of the stock.
_____ | 28. The quotient of a number and 6 decreased by 4.
_____ |
| 29. The difference of a number and the sum of 15 and 5.
_____ | 30. The product of 6 and a number decreased by -15 .
_____ | |