

ALGEBRAIC EQUATIONS

Writing Algebraic Equations

Problems: Leanne has \$17 in her piggy bank. How much money does she need to buy a game that costs \$40? Solution: Let x represent the amount of money Leanne needs. Then the following equation can represent this problem.

$17 + x = 40$

Subtract 17 from both sides of the equation to find the value of x .

$17 + x - 17 = 40 - 17$

$x = 23$

Answer: $x = 23$, so Leanne needs \$23 to buy the game.

To the problems above, x is a variable. The symbols $17 + x = 40$ form an algebraic equation. Let's look at some examples of writing algebraic equations.

Example 1: Write each sentence as an algebraic equation.

Sentence	Algebraic Equation
A number increased by nine is fifteen.	$x + 9 = 15$
Twice a number is eighteen.	$2x = 18$
Four less than a number is twenty.	$x - 4 = 20$
A number divided by six is eight.	$\frac{x}{6} = 8$

Example 2: Write each sentence as an algebraic equation.

Sentence	Algebraic Equation
Twice a number, decreased by twenty-nine, is seven.	$2x - 29 = 7$
Three times is a number increased by eight.	$3x + 8$
The quotient of fifty and five more than a number is ten.	$\frac{50}{x + 5} = 10$
Twice as many less than four times a number.	$12 = 4x - 8$

Example 3: Write each sentence as an algebraic equation.

Sentence	Algebraic Equation
David is 12 years old. In thirteen years, she will be twenty-four years old.	$x + 13 = 24$
Each piece of candy costs 25 cents. The price of 8 pieces of candy is \$2.00.	$25b = 200$
Susanne made a withdrawal of d dollars from her savings account. Her old balance was \$100, and her new balance is \$200.	$100 - d = 200$
A large pizza pie with 37 slices is shared among p students so that each student's share is 7 slices.	$\frac{37}{p} = 7$

Algebraic Equations (Speedy Study Guides: Academic)

By Speedy Publishing LLC

To get Algebraic Equations (Speedy Study Guides: Academic) eBook, you should refer to the hyperlink beneath and save the ebook or gain access to additional information which might be highly relevant to ALGEBRAIC EQUATIONS (SPEEDY STUDY GUIDES: ACADEMIC) ebook.

Our online web service was introduced with a wish to function as a full on the internet electronic digital local library that offers entry to many PDF document selection. You will probably find many kinds of e-book and other literatures from the documents data bank. Specific well-liked subjects that distribute on our catalog are trending books, answer key, examination test question and answer, guide paper, exercise guideline, test sample, end user handbook, owner's manual, service instruction, fix handbook, and many others.



[DOWNLOAD PDF](#)

[READ ONLINE](#)
[2.49 MB]

Reviews

This ebook will be worth purchasing. I really could comprehend every thing out of this written e book. You wont feel monotony at anytime of your own time (that's what catalogues are for relating to when you check with me).

-- Burley Nicolas PhD

This ebook is definitely worth buying. It is definitely basic but excitement within the fifty percent in the ebook. Its been designed in an extremely straightforward way which is merely following i finished reading this ebook where basically changed me, alter the way in my opinion.

-- Ward Morar

Relevant Books



[Do Monsters Wear Undies Coloring Book: A Rhyming Children s Coloring Book](#)

[PDF] Access the hyperlink listed below to download "Do Monsters Wear Undies Coloring Book: A Rhyming Children s Coloring Book" document.. Createspace Independent Publishing Platform, United States, 2015. Paperback. Book Condition: New. Mark Smith (illustrator). 279 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****.A #1 Best Selling Children s Book Is Now A Coloring Book! Parents and...

[Download PDF »](#)



[Fifty Years Hence, or What May Be in 1943](#)

[PDF] Access the hyperlink listed below to download "Fifty Years Hence, or What May Be in 1943" document.. Createspace, United States, 2015. Paperback. Book Condition: New. 279 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****. Fifty Years Hence is a quasi-fictional work by Robert Grimshaw, a professional engineer, with the intent of making a...

[Download PDF »](#)



[Odes Funebres, S.112: Study Score](#)

[PDF] Access the hyperlink listed below to download "Odes Funebres, S.112: Study Score" document.. Petrucci Library Press, United States, 2015. Paperback. Book Condition: New. 279 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****. Liszt composed three Odes funebres between 1860 and 1866, shortly in the wake of his first 12 tone...

[Download PDF »](#)



[Halloween Stories: Spooky Short Stories for Children](#)

[PDF] Access the hyperlink listed below to download "Halloween Stories: Spooky Short Stories for Children" document.. Createspace, United States, 2015. Paperback. Book Condition: New. 279 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****. 10 Halloween Stories for Kids! Happy Halloween! Your child will enjoy this Halloween book full of spooky stories. This is an...

[Download PDF »](#)