

Algebra Words Poster

Congratulations on your purchase of this Really Good Stuff® **Algebra Words Poster**—a helpful reference for definitions and examples of important algebra vocabulary.

This Really Good Stuff® product includes:

- Algebra Words Poster
- This Really Good Stuff® Activity Guide

Displaying the Algebra Words Poster

Before displaying the **Algebra Words Poster**, make copies of this Really Good Stuff® Activity Guide and file the pages for future use. Or, download another copy of it from our Web site at www.reallygoodstuff.com. Hang the *Poster* where students will be able to see it easily.

Introducing and Using the Algebra Words Poster

Copy and distribute the *Algebra Words Mini Poster Reproducible* and tell students to keep it in their Math folders. Explain to students that the *Poster* contains important vocabulary that they will use when studying algebra. Introduce each word on the *Poster* by pointing to it and reading it aloud. Following each word, ask a volunteer to come forward and read the definition as you write the example from the *Poster* on the classroom whiteboard, circling and pointing out the items in the example that match that vocabulary word. After you have introduced all the algebra words on the *Poster*, remind students that they can use the *Poster* or their own *Algebra Words Mini Poster Reproducible* whenever they need help remembering a word related to algebra.

Algebra Vocabulary Matching

To assess students' understanding of algebra vocabulary, copy and distribute the *Algebra Vocabulary Matching Reproducible*. Students are to match examples of different words to the words from the *Poster*. The examples for each definition on the reproducible are different from the examples on the *Poster* to demonstrate that students can apply what they have learned to different algebraic expressions.

Answers:

1) f, 2) c, 3) g, 4) d, 5) b, 6) h, 7) a, 8) e, 9) i

Name That Word

Test your students' knowledge of algebra vocabulary with this fast-moving group activity: Create a series of large algebra flash cards by writing the definition of an algebra word on one side of a large index card and writing the matching vocabulary word on the other side. Be sure that the print on the cards is bold enough for entire class to see. Make several cards for each of the vocabulary words. Divide your class into two groups and have them line up in two lines. Assign a name to each of the groups and write the group names on your classroom whiteboard. Explain that the team whose first member in line correctly names the vocabulary word you hold up will get one

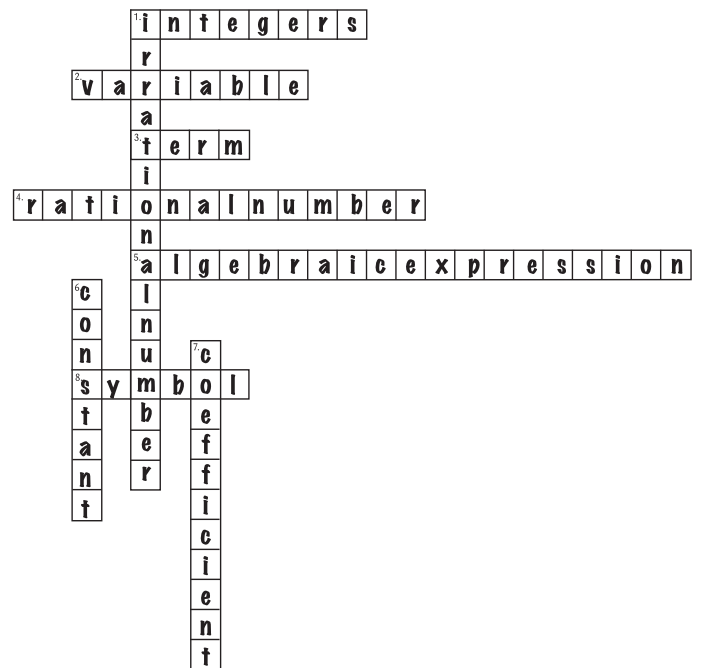
point, and that the first team to reach 10 points will win the game. Stand near the classroom whiteboard and hold up one of the flashcards, with the definition facing your students. Once a group names a word, put a tally mark under that group's name. Continue play until one team reaches 10 points.

Variation: Label the flash cards with examples of numbers or equations (like the ones on the *Poster*) and have students call out the matching vocabulary words.

Algebra Words Crossword Puzzle

To reinforce algebra vocabulary, copy the *Algebra Words Crossword Puzzle Reproducible* and give a copy of it to each of your students or place it in your math center. Tell students to use the clues to complete the puzzle with vocabulary from the *Poster*.

Answers to Crossword Puzzle



Extra Practice

Place the *Poster* in your math center and use a strip of construction paper to cover up the number examples for each word on the *Poster*. Label index cards with the number examples from the *Poster* and put them in a zippered plastic bag at the center. Have students use poster putty to place the index cards with examples next to the correct words, then remove the strip of construction paper to see if they are correct.

Variation: Cover up the vocabulary words or the definitions and label index cards with the words and definitions and place them in zippered plastic bags at the center.

Algebra Words

term	the numbers and variables in an algebraic expression that are separated by a + or - sign	$3x + 2y - 6$
algebraic expression	a mathematical phrase that contains one or more algebraic terms and one or more operation symbols	$3x + 2y - 6$
symbol	an operation sign that separates terms in an algebraic expression	$3x + 2y - 6$
variable	a letter that represents a number in an algebraic expression	$3x + 2y - 6$
constant	a term in an algebraic expression that is only a number and does not change value	$3x + 2y - 6$
coefficient	the number part of a term that includes a variable	$3x + 2y - 6$
integers	whole numbers, negative whole numbers, and zero	$5, 23, 78$ $-8, -2, -10$ 0
rational number	a number that can be written as the ratio of two integers or as an exact fraction	the ratio of 1 to 2 is $\frac{1}{2}$
irrational number	a number that cannot be written as the ratio of two integers but only as a decimal that never ends and never repeats	$\pi = 3.1415926\dots$

Name: _____

Date: _____

Algebra Vocabulary Matching

Directions: Write the letter of the example that matches on the line next to each vocabulary word.

1. variable _____

a. $2x + 7y - 5$

2. algebraic expression _____

b. $19, -407, 0$

3. rational number _____

c. $13a - 5b + 10$

4. coefficient _____

d. $4x - 17y - 1$

5. integers _____

e. $1.4142135\dots$

6. symbol _____

f. $10a + 3b + 9$

7. constant _____

g. $5/4$

8. irrational number _____

h. $6x - 15y + 10$

9. term _____

i. $7a + 2b - 15$

Name: _____

Date: _____

Algebra Words Crossword Puzzle

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

Across

1. whole numbers, negative whole numbers, and zero
2. a letter that represents a number in an algebraic expression
3. the numbers and variables in an algebraic expression that are separated by a = or – sign
4. a number that can be written as the ratio of two integers or as an exact fraction
5. one or more terms in a mathematical phrase that contains at least one variable and sometimes numbers and symbols
8. an operation sign that separates terms in an algebraic expression

Down

1. a number that cannot be written as the ratio of two integers but only as a decimal that never ends and never repeats
6. a term in an algebraic expression that is only a number and does not change value
7. the number part of a term that includes a variable