

Workshop Ferramentas digitais na sala de aula – *Discovery Puzzlemaker*

- Aceda ao site <http://www.discoveryeducation.com/free-puzzlemaker/>.

The screenshot shows the Discovery Puzzlemaker website. At the top, it says "CREATE YOUR OWN PUZZLES PUZZLEMAKER" with a pencil icon. Below this, a yellow box contains the text "Welcome to Puzzlemaker! Puzzlemaker is a puzzle generation tool for teachers, students and parents. Create and print customized word search, criss-cross, math puzzles, and more-using your own word lists." To the right, a yellow box titled "Make a puzzle now! It's free!" lists various puzzle types: Word Search, Criss-Cross, Double Puzzles, Fallen Phrases, Math Squares, Mazes, Letter Tiles, Cryptograms, Number Blocks, and Hidden Message. A blue circular badge with "FREE!" is next to the list. Below the list, a section titled "Try a Pre-Made Puzzle" includes buttons for "Test Your Green IQ", "Math Mind Game", and "Parts of Speech".

Ferramenta de utilização gratuita.



Não necessita criar conta para utilizar.

ATENÇÃO

Não permite guardar o trabalho realizado, mas permite imprimir em PDF ou enviar para Word .

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**Make a puzzle now!
It's free!**

Choose a type of puzzle from the list below and make your own puzzle online for classroom or home use.

- ▶ Word Search
- ▶ Criss-Cross
- ▶ Double Puzzles
- ▶ Fallen Phrases
- ▶ Math Squares
- ▶ Mazes
- ▶ Letter Tiles
- ▶ Cryptograms
- ▶ Number Blocks
- ▶ Hidden Message

FREE!

Try a Pre-Made Puzzle

- ▶ Test Your Green IQ
- ▶ Math Mind Game
- ▶ Parts of Speech



O **Puzzlemaker** permite a criação de diferentes tipos de puzzles com palavras e números:

- Sopa de letras
- Palavras cruzadas
- Labirintos
- Criptogramas
- Blocos de letras
- Puzzles matemáticos
- ...

NOTA

Como o processo de criação de puzzles é muito semelhante em todos eles, serão explorados apenas alguns neste tutorial.

Word Search

Sopa de Letras

1 - Título (limitado a 49 caracteres)

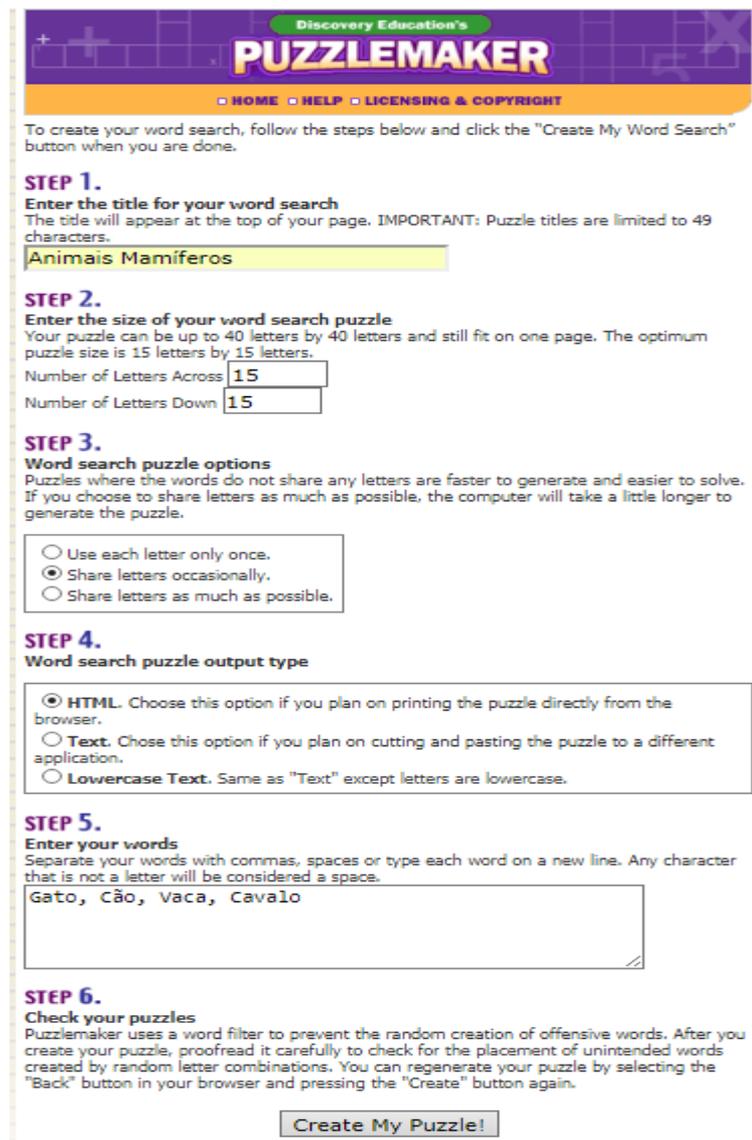
2 - Tamanho da sopa de letras (nº de linhas e colunas)

3 – Nº de letras partilhadas pelas palavras

4 – Formato de exportação do puzzle

5 – Inserir as palavras separadas por vírgulas ou uma em cada linha

6 - Gerar o puzzle



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To create your word search, follow the steps below and click the "Create My Word Search" button when you are done.

STEP 1.
Enter the title for your word search
The title will appear at the top of your page. IMPORTANT: Puzzle titles are limited to 49 characters.
Animais Mamíferos

STEP 2.
Enter the size of your word search puzzle
Your puzzle can be up to 40 letters by 40 letters and still fit on one page. The optimum puzzle size is 15 letters by 15 letters.
Number of Letters Across 15
Number of Letters Down 15

STEP 3.
Word search puzzle options
Puzzles where the words do not share any letters are faster to generate and easier to solve. If you choose to share letters as much as possible, the computer will take a little longer to generate the puzzle.

Use each letter only once.
 Share letters occasionally.
 Share letters as much as possible.

STEP 4.
Word search puzzle output type

HTML. Choose this option if you plan on printing the puzzle directly from the browser.
 Text. Choose this option if you plan on cutting and pasting the puzzle to a different application.
 Lowercase Text. Same as "Text" except letters are lowercase.

STEP 5.
Enter your words
Separate your words with commas, spaces or type each word on a new line. Any character that is not a letter will be considered a space.
Gato, Cão, Vaca, Cavalo

STEP 6.
Check your puzzles
Puzzlemaker uses a word filter to prevent the random creation of offensive words. After you create your puzzle, proofread it carefully to check for the placement of unintended words created by random letter combinations. You can regenerate your puzzle by selecting the "Back" button in your browser and pressing the "Create" button again.

Create My Puzzle!

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Word Search

Sopa de Letras

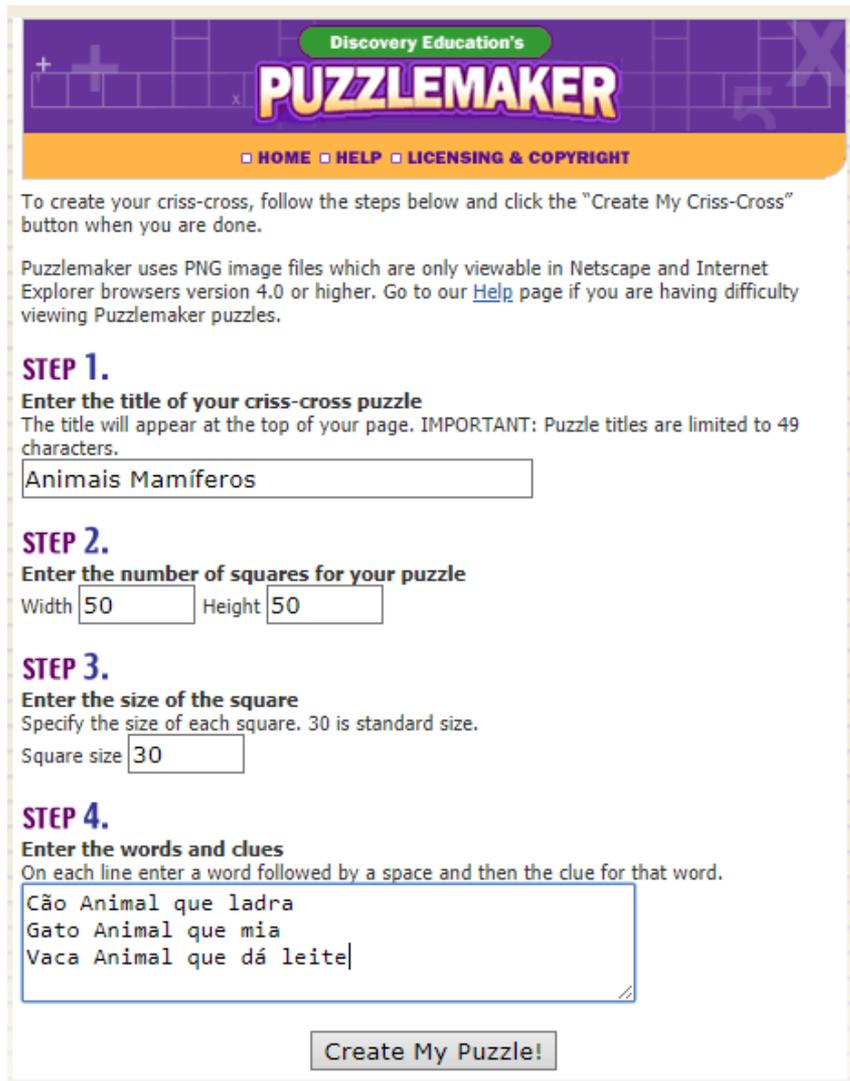
Exemplo do puzzle gerado

O	A	N	A	O	I	G	U	E	N
Q	L	C	Ã	O	U	Z	X	J	H
W	A	A	R	J	T	I	Y	U	C
V	S	O	V	O	Q	O	M	C	V
U	R	T	C	A	H	H	X	P	L
Z	I	A	X	A	C	G	B	O	U
W	Q	G	T	Y	P	X	P	N	S
E	D	C	X	L	E	P	K	Z	T
U	M	E	J	N	W	R	A	J	Y
P	C	X	P	G	O	N	V	T	S

CAVALO
CÃO
GATO
VACA

Criss-Cross Palavras Cruzadas

- 1 - Título (limitado a 49 caracteres)
- 2 – Número de quadrados do puzzle
- 3 - Inserir o tamanho dos quadrados
- 4 - Inserir as palavras e as pistas
- 5 – Gerar o puzzle (Create my puzzle)



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To create your criss-cross, follow the steps below and click the "Create My Criss-Cross" button when you are done.

Puzzlemaker uses PNG image files which are only viewable in Netscape and Internet Explorer browsers version 4.0 or higher. Go to our [Help](#) page if you are having difficulty viewing Puzzlemaker puzzles.

STEP 1.
Enter the title of your criss-cross puzzle
The title will appear at the top of your page. IMPORTANT: Puzzle titles are limited to 49 characters.

Animais Mamíferos

STEP 2.
Enter the number of squares for your puzzle
Width Height

STEP 3.
Enter the size of the square
Specify the size of each square. 30 is standard size.
Square size

STEP 4.
Enter the words and clues
On each line enter a word followed by a space and then the clue for that word.

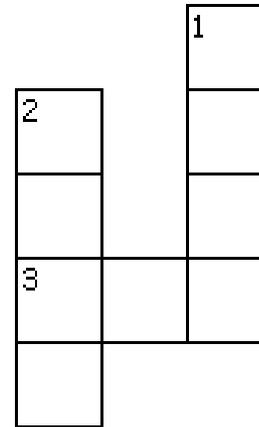
Cão Animal que ladra
Gato Animal que mia
Vaca Animal que dá leite

Create My Puzzle!

Criss-Cross

Palavras Cruzadas

Exemplo do puzzle gerado



Across

3. Animal que ladra

Down

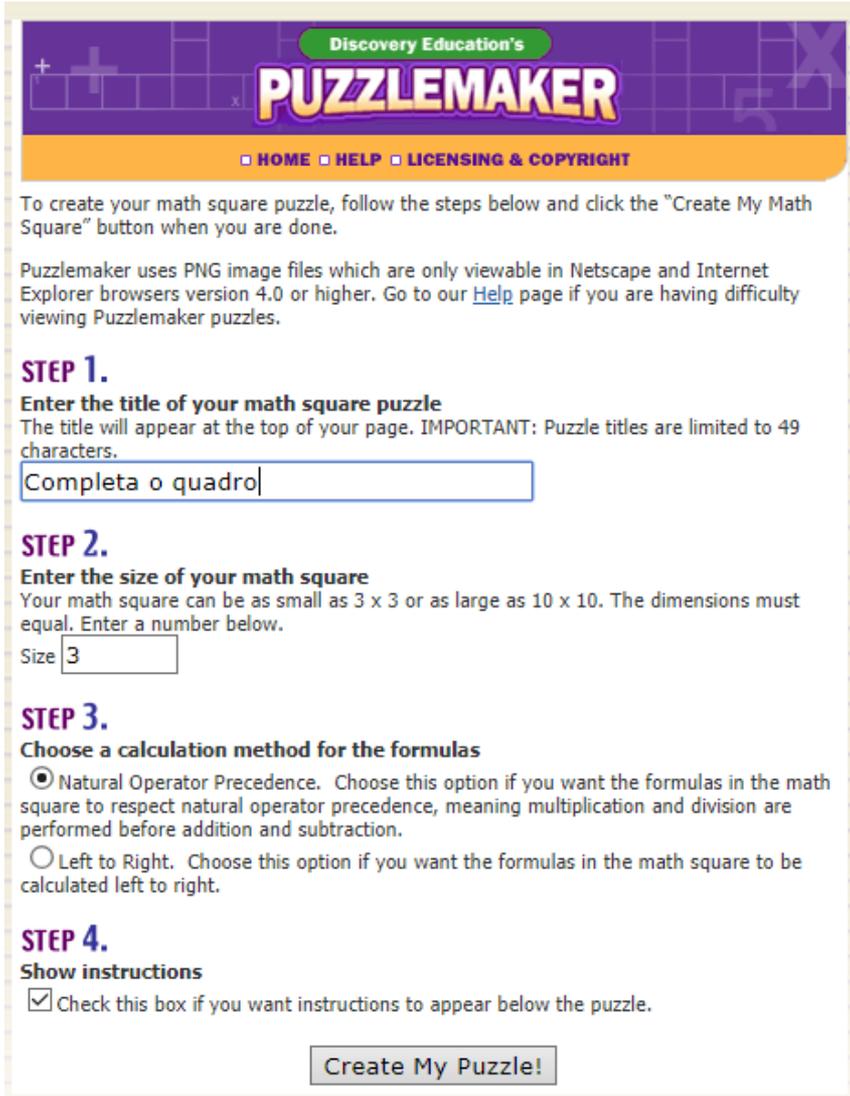
1. Animal que mia

2. Animal que dá leite

Math square

Quadrados matemáticos

- 1 - Título (limitado a 49 caracteres)
- 2 – Tamanho do quadrado
- 3 – Escolher o método de cálculo
- 4 – Mostar as instruções no exercício
- 5 – Gerar o puzzle (Create my puzzle)



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To create your math square puzzle, follow the steps below and click the "Create My Math Square" button when you are done.

Puzzlemaker uses PNG image files which are only viewable in Netscape and Internet Explorer browsers version 4.0 or higher. Go to our [Help](#) page if you are having difficulty viewing Puzzlemaker puzzles.

STEP 1.
Enter the title of your math square puzzle
The title will appear at the top of your page. IMPORTANT: Puzzle titles are limited to 49 characters.
Completa o quadro

STEP 2.
Enter the size of your math square
Your math square can be as small as 3 x 3 or as large as 10 x 10. The dimensions must be equal. Enter a number below.
Size 3

STEP 3.
Choose a calculation method for the formulas

- Natural Operator Precedence. Choose this option if you want the formulas in the math square to respect natural operator precedence, meaning multiplication and division are performed before addition and subtraction.
- Left to Right. Choose this option if you want the formulas in the math square to be calculated left to right.

STEP 4.
Show instructions
 Check this box if you want instructions to appear below the puzzle.

Create My Puzzle!

Math square

Quadrados matemáticos

Exemplo do puzzle gerado

	/		-		-1
+		X		-	
	+		X		55
X		+		X	
	-		+		0
10		43		-27	

Try to fill in the missing numbers.

Use the numbers 1 through 9 to complete the equations.

Each number is only used once.

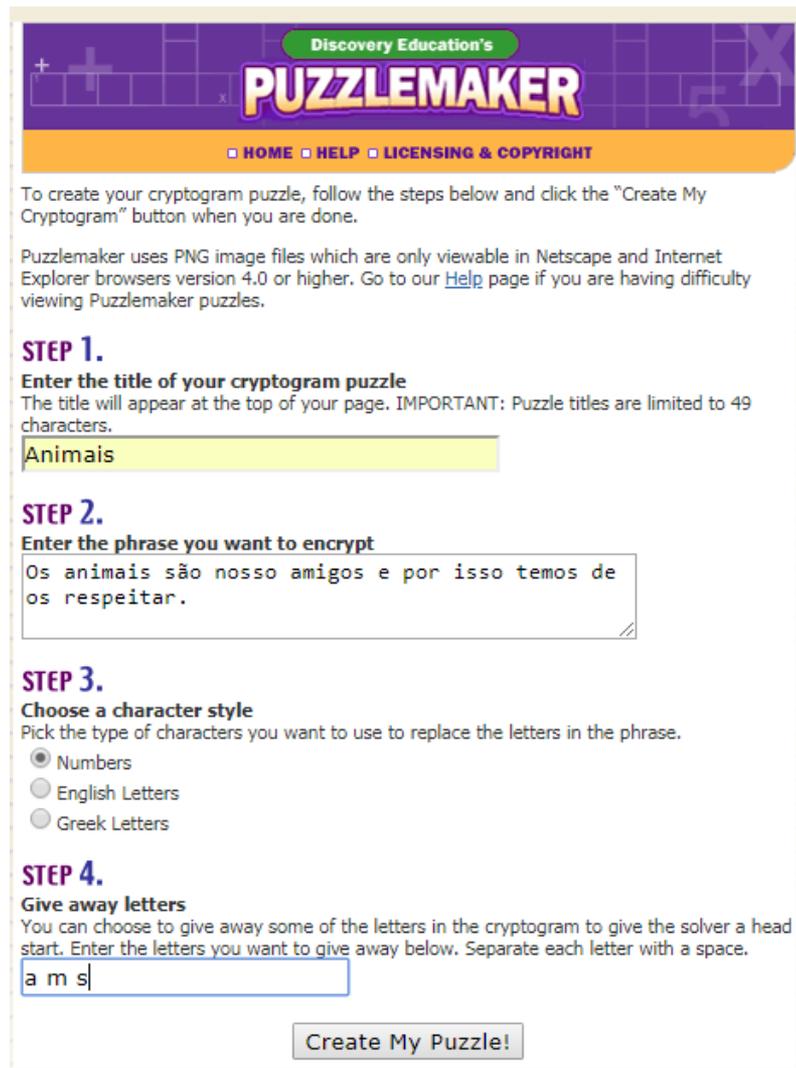
Each row is a math equation. Each column is a math equation.

Remember that multiplication and division are performed before addition and subtraction.

Cryptogram

Mensagens codificadas

- 1 - Título (limitado a 49 caracteres)
- 2 – Escrever a frase pretendida
- 3 – Escolher o método de codificação
- 4 – Mostar algumas letras
- 5 – Gerar o puzzle (Create my puzzle)



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To create your cryptogram puzzle, follow the steps below and click the "Create My Cryptogram" button when you are done.

Puzzlemaker uses PNG image files which are only viewable in Netscape and Internet Explorer browsers version 4.0 or higher. Go to our [Help](#) page if you are having difficulty viewing Puzzlemaker puzzles.

STEP 1.
Enter the title of your cryptogram puzzle
The title will appear at the top of your page. IMPORTANT: Puzzle titles are limited to 49 characters.
Animais

STEP 2.
Enter the phrase you want to encrypt
Os animais são nosso amigos e por isso temos de os respeitar.

STEP 3.
Choose a character style
Pick the type of characters you want to use to replace the letters in the phrase.
 Numbers
 English Letters
 Greek Letters

STEP 4.
Give away letters
You can choose to give away some of the letters in the cryptogram to give the solver a head start. Enter the letters you want to give away below. Separate each letter with a space.
a m s

Create My Puzzle!

Cryptogram

Mensagens codificadas

Exemplo do puzzle gerado

Animais

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	
13												19						8								

<u>S</u>	<u>A</u>	<u>M</u>	<u>A</u>	<u>S</u>	<u>S</u>	<u>Ã</u>	<u>S</u>	<u>S</u>	<u>A</u>	<u>M</u>	<u>S</u>
1 8	13 4	11 19	13 11	8	8	1	4	1 8 8 1	13 19	11 14	1 8
<u>S</u>	<u>S</u>	<u>M</u>	<u>S</u>	<u>S</u>	<u>S</u>	<u>A</u>					
24	16 1 23	11 8 8 1	21 24	19 1 8	15 24	1 8	23 24	8 16 24	11 21	13	

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Imprimir / Exportar os puzzles

Pode seleccionar o exercício e copiar para o Word.

Exemplo do puzzle gerado

				5
0				2
	2			11
1	0	2		5
			2	5
8	3	3	9	6

Try to fill in the missing numbers.

The missing numbers are integers between 0 and 5.
The numbers in each row add up to totals to the right.
The numbers in each column add up to the totals along the bottom.
The diagonal lines also add up the totals to the right.



				5
0				2
	2			11
1	0	2		5
			2	5
8	3	3	9	6

Try to fill in the missing numbers.

The missing numbers are integers between 0 and 5.
The numbers in each row add up to totals to the right.
The numbers in each column add up to the totals along the bottom.
The diagonal lines also add up the totals to the right.

Solution

Bom trabalho com o

Discovery Puzzlemaker