

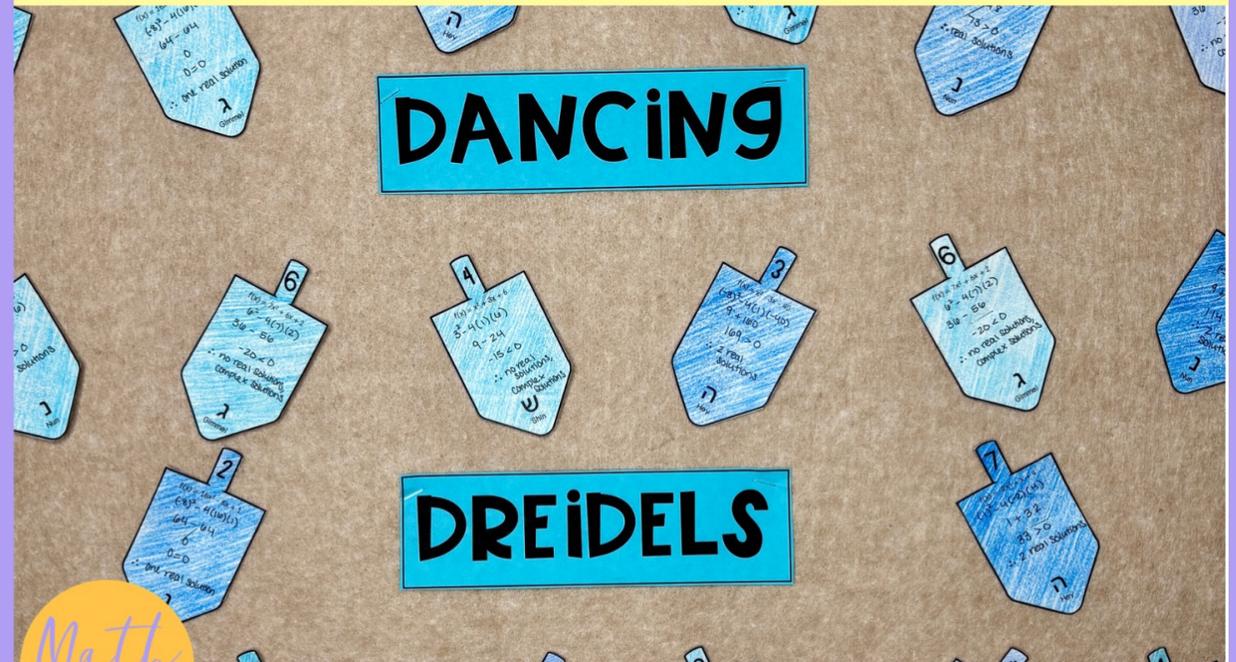
keep scrolling to
get a sneak peek!

If you're looking for a new way to get your students practicing math, this is the resource for you! With this

solving multistep equations collaborative activity, students will solve multistep equations with **variables on both sides** on each dreidel piece. Assembling all the students' pieces creates one large holiday display on your classroom bulletin board.

SOLVING MULTISTEP EQUATIONS

DANCING DREIDELS



student work bulletin board

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why do you need this?

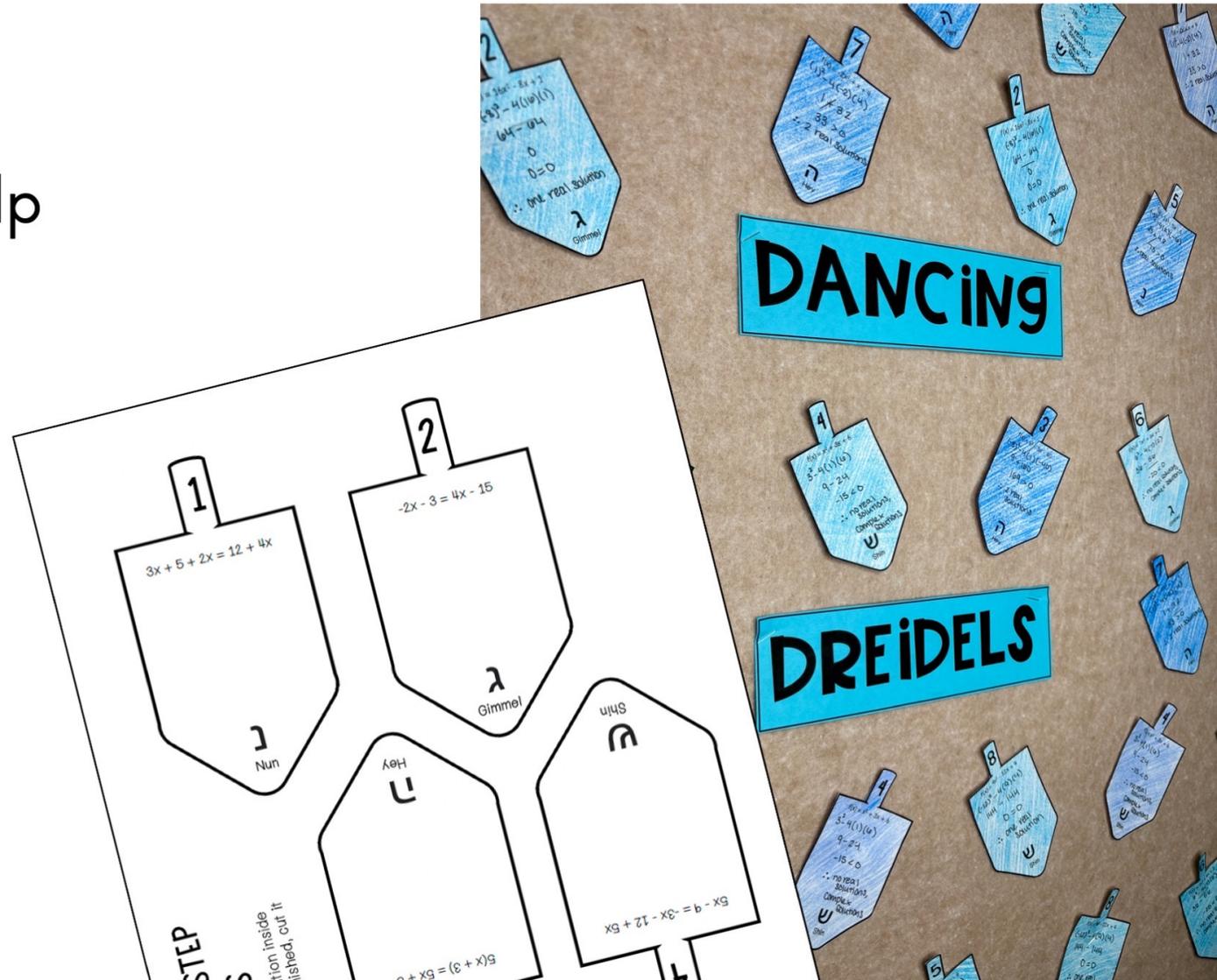
Solving Multistep Equations with Variables on Both Sides



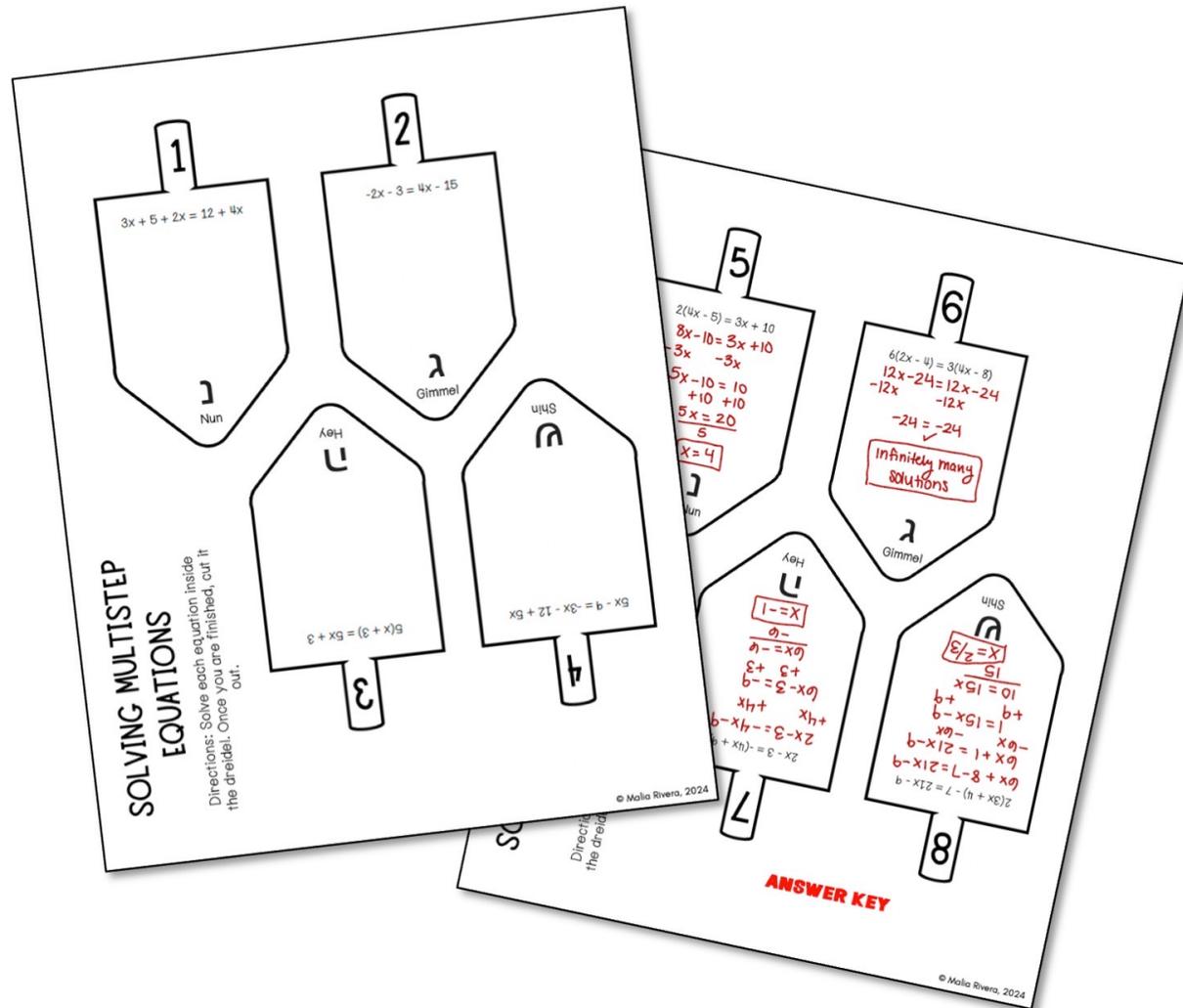
New & engaging way to help students practice solving multistep equations



Unique, collaborative way to display student work



Solving Multistep Equations Dreidel Bulletin Board *includes:*



- ✓ 2 blank dreidel pages per student
- ✓ 8 questions total
- ✓ Editable version
- ✓ an answer key
- ✓ teacher instructions

Solving Multistep Equations Dreidel Bulletin Board

standards covered:

CCSS: 8.EE.C.7

TEKs: 7.10.B

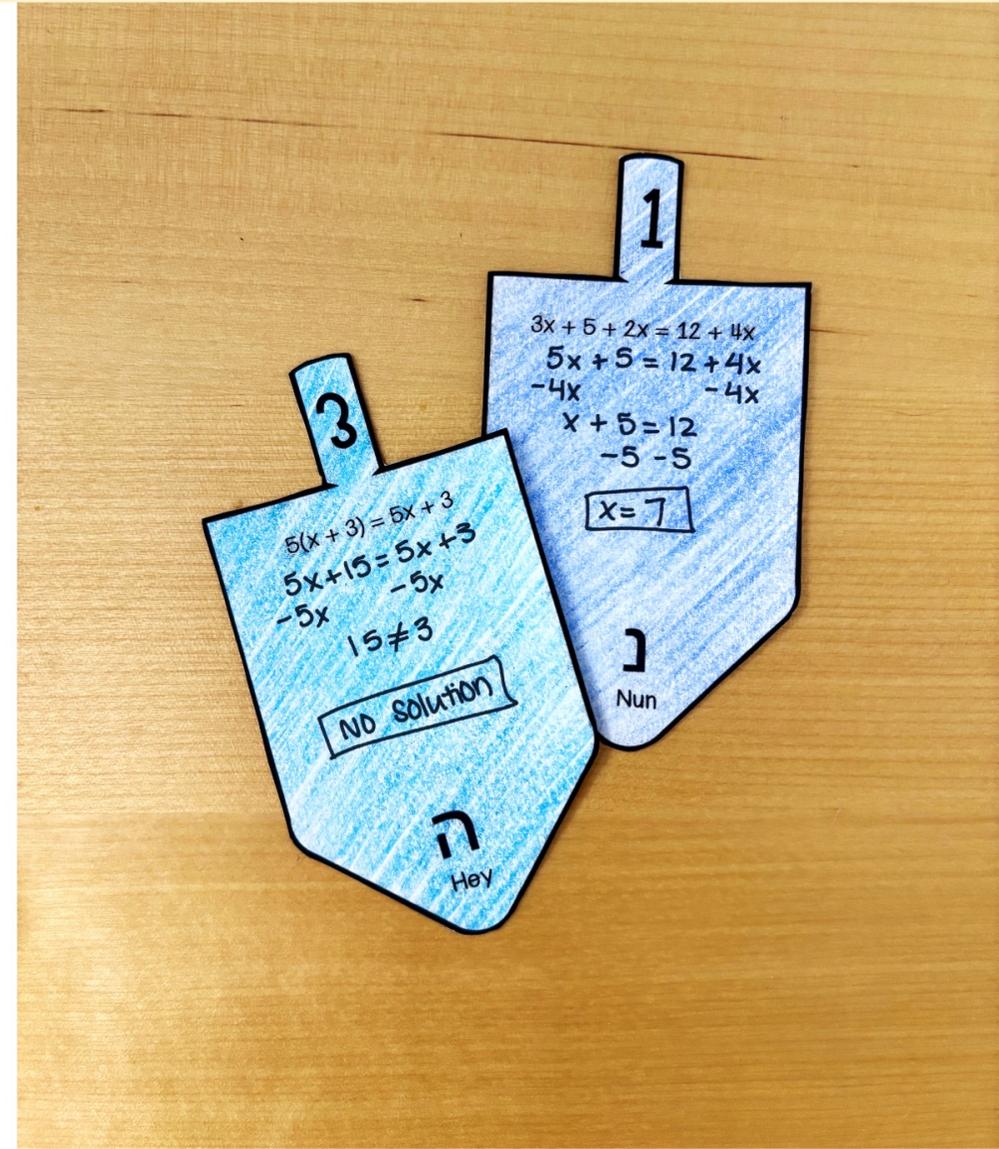
VA SOLs: PFA.8.17



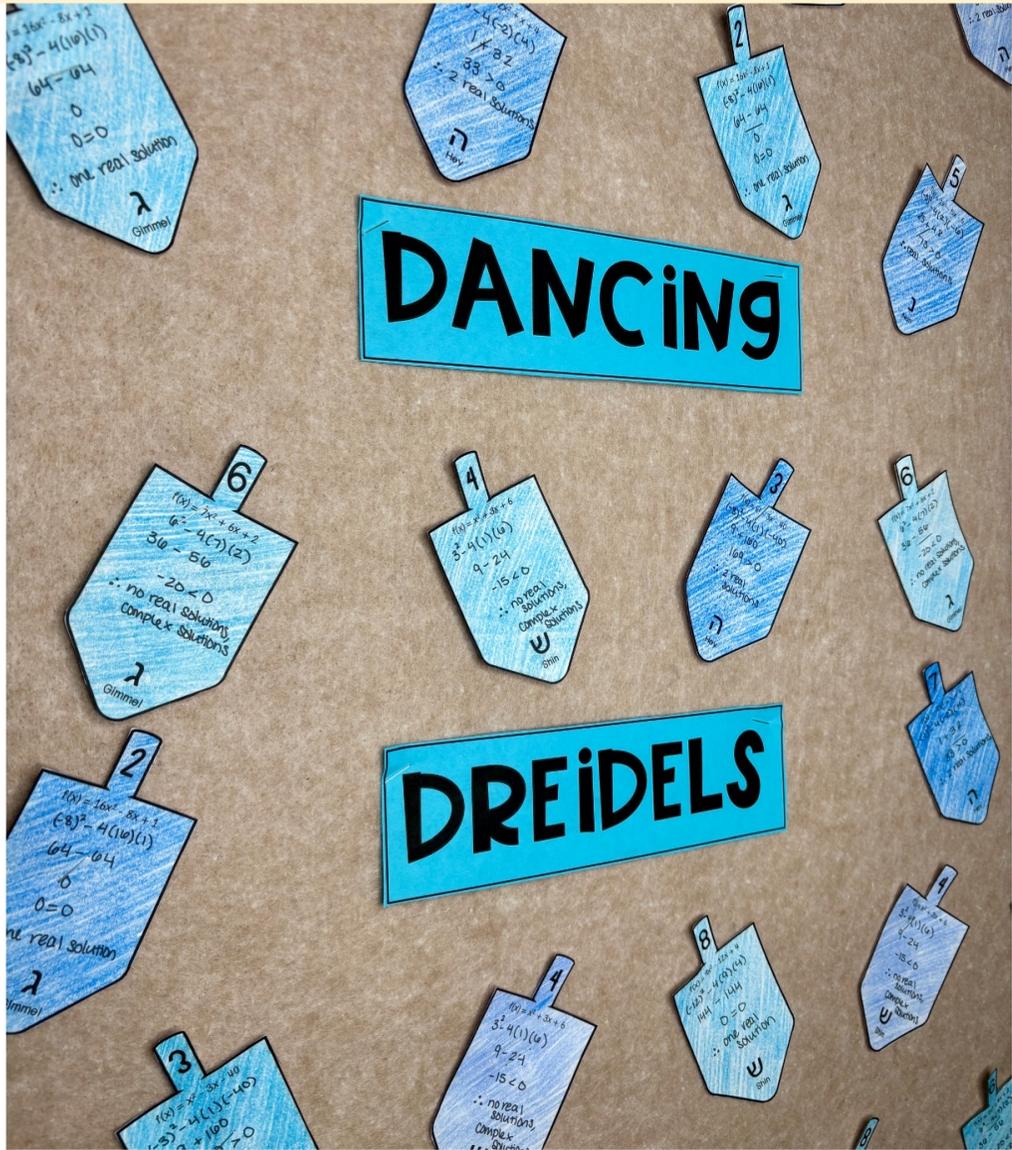
Solving Multistep Equations Dreidel Bulletin Board

skills included:

- Distributive Property
- Combining Like Terms
- Applying Inverse Operations
- No Solution, Infinite Solutions, or One Solution



how to use this resource



- Print or make copies – I print on white so my students can decorate each piece how they want.
- Students will answer the questions on each dreidel.
- Collect all the students' pieces & put it up on the bulletin board to create one big, festive Hanukkah dreidel design

You may also enjoy ...

MULTISTEP EQUATIONS NUMBER OF SOLUTIONS Choice Board

Choice Board

Date: _____

Number of Solutions Choice Board

Choose _____ problems from each column. Solve each equation and determine how many solutions it has. Show your work in the boxes.

$3 = x + 6$	$8x = 4(2x + 1)$
$+ 5x = 2x - 9$	$6(2y + 6) = 4(9 + 3y)$
$5 - 7w = -7(w - 2)$	$3(d + 12) = 8 - 4d$

Name: _____ **ANSWER KEY** Date: _____

Number of Solutions Choice Board

Directions: Choose _____ problems from each column. Solve each equation and determine how many solutions it has. Show your work in the boxes.

$x + 3 = x + 6$ $-x \quad -x$ $3 \neq 6$ NO SOLUTION	$8x = 4(2x + 1)$ $8x = 8x + 4$ $-8x \quad -8x$ $0 \neq 4$ NO SOLUTION
$12 + 5x = 2x - 9$ $-2x \quad -2x$ $+ 9x = -9$ $-12 \quad -12$ $3x = -21$ $\frac{3x}{3} = \frac{-21}{3}$ $x = -7$	$6(2y + 6) = 4(9 + 3y)$ $12y + 36 = 36 + 12y$ $-12y \quad -12y$ $36 = 36$ INFINITE SOLUTIONS
$15 - 7w = -7(w - 2)$ $15 - 7w = -7w + 14$ $+7w \quad +7w$ $15 = 14$ NO SOLUTION	$3(d + 12) = 8 - 4d$ $3d + 36 = 8 - 4d$ $+4d \quad +4d$ $7d + 36 = 8$ $-36 \quad -36$ $7d = -28$ $\frac{7d}{7} = \frac{-28}{7}$ $d = -4$

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SOLVING MULTISTEP EQUATIONS

#	Question	Answer
1	$-21x + 16x - 62 = 88$	
2	$92 = -13x - 43 + 10x$	
3	$-126 + 2x + 9x = 281$	
4	$-3x - 7 + 2x + 9 = 5$	
5	$20 = 4x + 2x - 3 + 5$	
6	$13 = -8x + 9 + 5x - 8$	
7	$-3x + 5 - 11 + 8x = 24$	
8	$-2 + 2x + 3x + 7 = 15$	
9	$29 = 10 - x + 4x + 1$	
10	$50 = 5x - 3 - 8x - 7$	

Directions: Solve the equation for the unknown variable. Answer each question correctly and pixels will appear to reveal a picture!

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Self-Checking

SOLVING MULTI- STEP EQUATIONS Digital Activity Bundle

Algebra

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Free Algebra Activities!

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check it out!

Rational Expression Operations - Addition & Subtraction

Directions: Answer each question and type the question number with the matching answer in the answer column to the right.

#	Question	Answer	Type the matching question numbers here
1	$\frac{5}{x} + \frac{3}{x+1}$	$\frac{2x+1}{x+2}$	
2	$\frac{2}{x+4} - \frac{x^2}{x^2-16}$	$-\frac{1}{x^2-1}$	
3	$\frac{x+2}{x^2+4x+4} + \frac{2x}{x+2}$	$\frac{2x^2+2x+5}{x^2+x-2}$	
4	$\frac{x}{x-2} + \frac{3}{x-1}$	$\frac{-x^2+2x-8}{x^2-16}$	
5	$\frac{x}{4x+8} - \frac{1}{x^2+2x}$	$\frac{8x+5}{x^2+1}$	
6	$\frac{x+2}{x-1} + \frac{x-1}{x+2}$	$\frac{x^2-3x+7}{x^2-4}$	
7	$\frac{2x+1}{x^2-4} + \frac{x-3}{x+2}$	$\frac{x^2+2x-6}{x^2-3x+2}$	
8	$\frac{x^2+2x}{x^2-1} - \frac{x+1}{x-1}$	$\frac{x-2}{4x}$	

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hey there!

My name is Malia and I'm passionate about making learning and practicing math fun. I love creating engaging math resources for my students and I hope your students enjoy these too!

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