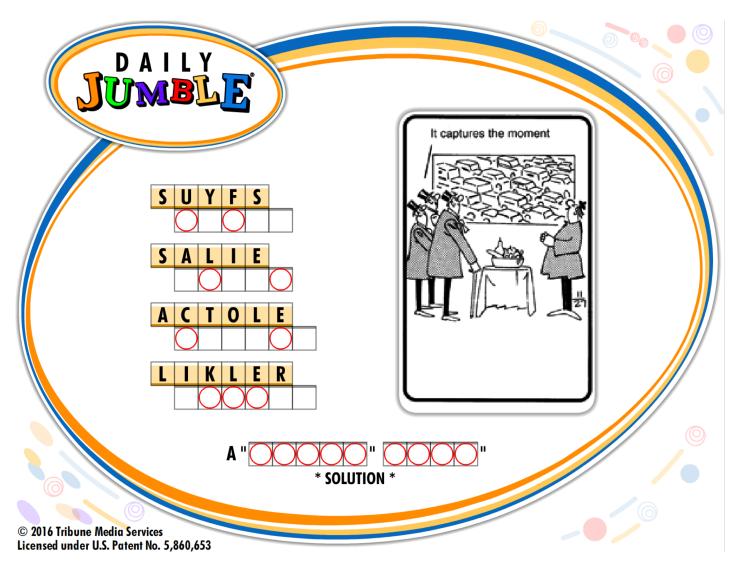
Name:\_\_\_\_\_

Follow directions in Table I. Then, find the corresponding answer in Table II. This will give you a correspondence between a letter and a number. Use this to reveal the hint for the Jumble.



## **Jumble Hint**



## Table II (aka Solutions)

Table II (aka Solations)		,	
1	2	3	4
3	4	No Solution	$(x-5)^2$
			$\overline{(x-3)(x+5)}$
			$x \neq -5, -3,3$
5	6	7	8
3	8	1	x-5
$\overline{x+5}$	$\overline{x+1}$	$\overline{x+1}$	$\overline{x+5}$
$x \neq -5, +5$	$x \neq -1, +1$	$x \neq -4, -1, 1, 9$	<i>x</i> ≠ −5
9	10	11	12
5x + 2	(x-4)(x+4)	<b>-</b> 5	(x+6)(x+3)
$\overline{x-3}$	x(x+3)		3(x-4)
$x \neq -3, \frac{2}{5}, 3$	$x \neq -3,0,4$		<i>x</i> ≠ 4,6

## Section I

	_	
	_	٠
	_	,

Simplify, and note excluded values

$$\frac{x^2 - 25}{x^2 + 10x + 25}$$

Ε

Simplify, and note excluded values

$$\frac{x^2 - 16}{x^2} \cdot \frac{x^2 - 4x}{x^2 - x - 12}$$

U

Simplify, and note excluded values

$$\frac{x^2 - 10x + 25}{x^2 - 9} \cdot \frac{x + 3}{x + 5}$$

Α

Simplify, and note excluded values

$$\frac{x^2 - 10x + 9}{x^2 - 1} \cdot \frac{x + 4}{x^2 - 5x - 36}$$

Т

Simplify, and note excluded values

$$\frac{25x^2 - 4}{x^2 - 9} \div \frac{5x - 2}{x + 3}$$

C

Simplify, and note excluded values

$$\frac{x^2 - 36}{x^2 - 8x + 16} \div \frac{3x - 18}{x^2 - x - 12}$$

S

Simplify, and note excluded values

$$\frac{2x-10}{x^2-25}-\frac{5-x}{25-x^2}$$

D

J

Simplify, and note excluded values

$$\frac{4}{x+1} + \frac{x-7}{x^2-1} + \frac{3}{x-1}$$

W

Solve

$$\frac{y+2}{y} = \frac{5}{3}$$

Solve

$$\frac{3}{y-2} + \frac{2y}{4-y^2} = \frac{5}{y+2}$$

	Rational	<b>Expressions</b>	Workshee <sup>-</sup>
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Name:\_

Н

Solve

 $\frac{7}{5x-3} = \frac{5}{4x}$ 

Solve

$$\frac{2x+3}{x-1} = \frac{10}{x^2-1} + \frac{2x-3}{x+1}$$