

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.

DAILY JUMBLE®



A "OOOOOO" "OOOOO"
* SOLUTION *

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Jumble Hint

"	—	—	—	—	—	—	—	G	—	—	—	O	N	—	—	—	—	—	H	I	S			
1	3	7	9		9	3	10		2	4	6		10	5		12		5	11	6	10	8	10	6
P	R	I	N	T	I	N	G		O	F		A		T	R	A	F	F	I	C	J	A	M	.

Table II (aka Solutions)

1 3	2 4	3 No Solution	4 $\frac{(x-5)^2}{(x-3)(x+5)}$ $x \neq -5, -3, 3$
5 $\frac{3}{x+5}$ $x \neq -5, +5$	6 $\frac{8}{x+1}$ $x \neq -1, +1$	7 $\frac{1}{x+1}$ $x \neq -4, -1, 1, 9$	8 $\frac{x-5}{x+5}$ $x \neq -5$
9 $\frac{5x+2}{x-3}$ $x \neq -3, \frac{2}{5}, 3$	10 $\frac{(x-4)(x+4)}{x(x+3)}$ $x \neq -3, 0, 4$	11 -5	12 $\frac{(x+6)(x+3)}{3(x-4)}$ $x \neq 4, 6$

Section I

R	E
Simplify, and note excluded values $\frac{x^2 - 25}{x^2 + 10x + 25}$	Simplify, and note excluded values $\frac{x^2 - 16}{x^2} \cdot \frac{x^2 - 4x}{x^2 - x - 12}$
U	A
Simplify, and note excluded values $\frac{x^2 - 10x + 25}{x^2 - 9} \cdot \frac{x + 3}{x + 5}$	Simplify, and note excluded values $\frac{x^2 - 10x + 9}{x^2 - 1} \cdot \frac{x + 4}{x^2 - 5x - 36}$

Rational Expressions Worksheet

Name: _____

T

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

Simplify, and note excluded values

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

W

Solve

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

J

Solve

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

Rational Expressions Worksheet

Name: _____

I

Solve

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

H

Solve

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