



PACK	LEVEL	WEEK
4	E	29

ANSWER KEY

WORDY WEDNESDAY

Pack 4

Riddle Puzzles • Fill-in-the-Blank • Who Am I? • Split Decision • More or Less



Name: _____

RIDDLE PUZZLES

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Use number names to solve the riddle!

Step-by-step examples at:
gregtangmath.com/tutorials

Why did the chicken get in trouble?

f o w l l a n g u a g e
1 2 3 4

1. A rectangle has a side that is 10 feet and another side that is one-half that length. A square has a perimeter of 48 feet. How much greater is the area of the square than the area of the rectangle?

ninety-four

What is the **seventh** letter in your answer? f
1

2. A rectangle has a side that is 12 feet and another side that is two-thirds that length. A square has a perimeter of 40 feet. How much greater is the area of the square than the area of the rectangle?

four

What is the **second** letter in your answer? o
2

3. A rectangle has a side that is 12 feet and another side that is five-fourths that length. A square has a perimeter of 56 feet. How much greater is the area of the square than the area of the rectangle?

sixteen

What is the **seventh** letter in your answer? n
3

4. A rectangle has a side that is 8 feet and another side that is one-half that length. A square has a perimeter of 44 feet. How much greater is the area of the square than the area of the rectangle?

eighty-nine

What is the **third** letter in your answer? g
4

Name: _____

WHO AM I?

Use the clue to figure out the answer.
Then write your answer in the box.

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I am half way between $\frac{3}{15}$ and $\frac{2}{15}$. My numerator and denominator have a difference of 75 and a product of 1350. Who am I?

15/90

I'm the number of fluid ounces left after removing 2 quarts, 1 pint, and 3 cups from a gallon.

24

SPLIT DECISION

Choose the correct answer for each question below.

Use logic to determine which statement is true about the following problem:

$$\frac{7}{10} + \frac{10}{7}$$

The answer is greater than 2.

The answer is less than 2.

Which could be the dimensions of a right rectangular prism with a volume of 3575?

$25 \times 11 \times 13$

$23 \times 12 \times 14$

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FILL IN THE BLANK

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For each problem, use the numbers from the bank to make the statement correct.

Step-by-step examples at:
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56 70 82

The girls ate $\frac{4}{7}$ of the 70 cookies they baked. The boys ate $\frac{3}{4}$ of the 56 cookies they baked. All together, they ate 82 cookies.

28 45 72

Jill gave away $\frac{2}{9}$ of her \$72 earnings. Michael gave away $\frac{4}{15}$ of his \$45 earnings. Together they gave away \$28.

Challenge Problem:

4 6 8

So far, Donna has worked $\frac{8}{10}$ of her 8-hour shift, and Ritchie has worked $\frac{4}{9}$ of his 6-hour shift. Together, they have worked 9 hours and 4 minutes.

Name: _____

MORE OR LESS

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Use reasoning and computational skills to complete the table and the graph.

Step-by-step examples at: gregtangmath.com/tutorials

Clues:

- Together, Mike and Julia picked 120 oranges.
- Dean picked three times as many oranges as Ruth.
- Julia picked half of the girls' oranges.
- Helen picked $\frac{1}{6}$ of the total number of oranges.
- Dean's graph has 1 fewer X than Julia's graph.

player	oranges
Ruth	24
Julia	80
Helen	56
Dean	72
Shane	64
Mike	40

	X				
	X		X		
	X		X	X	
	X	X	X	X	
	X	X	X	X	
	X	X	X	X	X
	X	X	X	X	X
X	X	X	X	X	X
X	X	X	X	X	X
X	X	X	X	X	X
Ruth	Julia	Helen	Dean	Shane	Mike
	<i>girls</i>			<i>boys</i>	

X = 8 points