



PACK	LEVEL	WEEK
4	F	31

ANSWER KEY

# WORDY WEDNESDAY

## Pack 4

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



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

WORDY WEDNESDAY™

# RIDDLE PUZZLES

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Use number names to solve the riddle!

Step-by-step examples at:  
[gregtangmath.com/tutorials](http://gregtangmath.com/tutorials)

## How far away can an elephant smell water?

t w e l v e    m i l e s  
1    2    3    4

1. A rectangle has a side that is 8 feet and another side that is five-fourths that length. A square has an area that is 41 square feet greater than the area of the rectangle. How much greater is the perimeter of the square than the perimeter of the rectangle?

eight

What is the **fifth** letter in your answer?

t  
1

2. A rectangle has a side that is 8 feet and another side that is one-half that length. A square has an area that is 137 square feet greater than the area of the rectangle. How much greater is the perimeter of the square than the perimeter of the rectangle?

twenty-eight

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

w  
2

3. A rectangle has a side that is 9 feet and another side that is two-thirds that length. A square has an area that is 115 square feet greater than the area of the rectangle. How much greater is the perimeter of the square than the perimeter of the rectangle?

twenty-two

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

e  
3

4. A rectangle has a side that is 10 feet and another side that is four-fifths that length. A square has an area that is 89 square feet greater than the area of the rectangle. How much greater is the perimeter of the square than the perimeter of the rectangle?

sixteen

What is the **fifth** letter in your answer?

e  
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 a 4-digit number with 3 fewer hundredths than ones. When rounded to the nearest whole number, I am 35. When rounded to the nearest tenth, I am 34.5. Who am I?

34.51
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The length, width, and height of a right rectangular prism have a ratio of 2:3:4. The volume of the prism is 648 cubic inches. I am the width of that prism.

9
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## SPLIT DECISION

Choose the correct answer for each question below.

Which set of numbers has a mean of 3?

4 2 2 4 3 3 1 5

4 2 3 4 3 3 2 5

Which of the following is equal to 28?

$2\{1+[4(2+3)-3]\}$

$2\{2+[4(3+1)-4]\}$

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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.

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3      6      12

Craig had 5 times as much money as Keegan. After Craig gave Keegan 6 dollars, Craig had 3 times as much money as Keegan. Keegan had 12 dollars to start.

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3      5      20

Jordan had 4 times as many video games as TJ. After Jordan gave TJ 5 video games, Jordan had 3 times as many video games as TJ. TJ had 20 video games to start.

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*Challenge Problem:*

10      14      15

There were 4 times as many kids in the gym as there were in the classroom. After 10 kids moved from the classroom to the gym there were 14 times as many kids in the gym as there were in the classroom. There were 15 kids in the classroom to start.

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# 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](http://gregtangmath.com/tutorials)

**Clues:**

The ratio of cows to ducks is 1:2.

Together, there are 90 geese and horses.

50% of the mammals are pigs.

The ratio of mammals to birds is 3:4.

In the graph, the pigs have 1 fewer X than the ducks.

farm animals	number
cows	45
pigs	81
horses	36
ducks	90
chickens	72
geese	54

			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
<b>cows</b>	<b>pigs</b>	<b>horses</b>	<b>ducks</b>	<b>chickens</b>	<b>geese</b>
<i>mammals</i>			<i>birds</i>		

X =   9   farm animals