| PACK | LEVEL | WEEK |
|---|---|---|
| 4 | E | 12 |

ANSWER KEY

# Wordy Wednesday

# Pack 4

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



Name: _____

# RIDDLE PUZZLES

Use number names to solve the riddle!

| WORDY WEDNESDAY™ | | |
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Step-by-step examples at:
tangmath.com/puzzles

## What bird's grey feathers turn pink from eating shrimp?

| f | l | a | m | i | n | g | o |
|---|---|---|---|---|---|---|---|
| 1 | | | | | 2 | 3 | 4 |

1. A rectangle has a side that is 8 feet and another side that is 7 feet. A square has a perimeter of 36 feet. Ho much greater` is the area of the square than the area of the rectangle?

   **twenty-five** What is the **seventh** letter in your answer? **f** (1)

---

2. A rectangle has a side that is 10 feet and another side that is 8 feet. A square has the same perimeter as the rectangle. How much smaller is the area of the rectangle than the area of the square?

   **one** What is the **second** letter in your answer? **n** (2)

---

3. A rectangle has a side that is 13 feet and another side that is 6 feet. A square has a perimeter that is 18 feet greater than the perimeter of the rectangle. How much greater is the area of the square than the area of the rectangle?

   **one hundred eighteen** What is the **thirteenth** letter in your answer? **g** (3)

---

4. A rectangle has a side that is 9 feet and another side that is 7 feet. A square has a perimeter of 64 feet. Ho much greater` is the area of the square than the area of the rectangle?

   **one hundred ninety-three** What is the **first** letter in your answer? **o** (4)


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# WHO AM I?

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

Step-by-step examples at:
tangmath.com/puzzles

I am between 17 x 3 and 126 ÷ 2. I am a multiple of both 4 and 7. Who am I?

56

The area of a square is 45 more than its perimeter. I am one side of that square. Who am I?

9

# SPLIT DECISION

Choose the correct answer for each question below.

Use estimation to choose the expression that has a product closer to 250:

_X_ 4.85 x 51.24

___ 52.8 x 47.2

Which shape has a larger area?

___ a triangle with a base of 18 and a height of 6

_X_ a rectangle with sides of 18 and 3.1



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# FILL IN THE BLANK

Use the numbers from the number bank to fill in the blanks.

Step-by-step examples at:
tangmath.com/puzzles

1/7 2/7 3/7 5/7

James ate _2/7_ of a pie. Lenny ate _3/7_ of the same pie. Lenny ate _1/7_ more than James. Together they ate _5/7_ of the pie.

---

2/10 5/10 7/10 9/10

Jane did _7/10_ of her math problems on Monday and _2/10_ of them on Tuesday. She did _5/10_ more on Monday than on Tuesday. All together, Jane did _9/10_ of her math problems.

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*Challenge Problem:*

2/8 3/8 4/8 7/8

Samantha jogged _3/8_ of a mile and Jarod jogged _7/8_ of a mile. Jarod jogged _4/8_ more than Samantha. Together, they jogged one and _2/8_ miles.


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# MORE or LESS

Use the chart to answer the questions..

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Step-by-step examples at:
tangmath.com/puzzles

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Luna* | X | X | X | X | X | X | X | X | | |
| Jane* | X | X | X | X | X | X | X | X | X | X |
| Paul** | X | X | X | X | X | X | X | X | X | |
| Ryan** | X | X | X | X | X | | | | | |

X = _6_ books  Group A*  Group B**

_54_ 1. Luna read 48 books. How many books did Paul read?

_24_ 2. How many more books did Group A read than group B?

_1/2_ 3. Ryan read ___ as many books as Jane.

_1/4_ 4. Luna read what fraction of the total number of books?

_1/3_ 5. If Luna read 24 more books, Luna would have read what fraction of the total number of books?


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