

**WEDNESDAY MORNING MATH –
LEVEL 1, PROBLEM 1**

Carter is building a row of block towers using a pattern.

He started with 1 block in the first tower.

The second tower is made with 4 blocks.

The third tower is made with 7 blocks.

What pattern is he following? **+3**

How many blocks will be in the tenth tower? **28**

Show your work below:

1, 4, 7, 10, 13, 16, 19, 22, 25, 28

**WEDNESDAY MORNING MATH –
LEVEL 1, PROBLEM 2**

I have a blueberry bush with 9 blueberries and a raspberry bush with 7 raspberries. I ate some blueberries and some raspberries. Now there are 4 blueberries and 4 raspberries on my bushes.

Did I eat more blueberries or more raspberries? **blueberries**

How do you know? Show your work below:

**9 blueberries to begin, end with 5, you must have eaten 5
7 raspberries to begin, end with 4, you must have eaten 3**

WEDNESDAY MORNING MATH – LEVEL 1, PROBLEM 3

Alex and Amanda are playing a guessing game with their classmates. They want them to guess when Amanda's birthday is. They gave them a few clues:

- 1) Alex's birthday is on January 8.
- 2) There are 5 letters in the month Amanda was born.
- 3) Amanda's birthday is exactly 3 months later than Alex's.

When is Amanda's birthday? **April 8th**

**WEDNESDAY MORNING MATH -
LEVEL 2, PROBLEM 1**

Alan has 87 baseball cards. He gives Kristen 18 of his cards. Bobby then gives Alan 21 baseball cards. How many baseball cards does Alan have now? **90**

Show your work below:

$$87 - 18 = 69$$

$$69 + 21 = 90$$

WEDNESDAY MORNING MATH – LEVEL 2, PROBLEM 2

Sheridan, Allison, Rachel and Joe are all different heights. Sheridan and Joe are neither the tallest nor the shortest. Rachel is shorter than Joe and Allison.

Allison is the tallest of the four.

Sheridan and Joe must be in the middle (doesn't matter their order, just that they are in the middle). Rachel has to be shorter than Joe, so she must be the shortest and Allison must be the tallest.

**WEDNESDAY MORNING MATH -
LEVEL 2, PROBLEM 3**

At a parade Miss Fields noticed that there was 1 man in the first car, 2 men in the second car, 3 men in the third car, and so on. If there were a total of 28 men riding in cars, then there were 7 cars in the parade.

Show your work below:

$$1^{\text{st}} \text{ car} = 1$$

$$2^{\text{nd}} \text{ car} = 2$$

$$3^{\text{rd}} \text{ car} = 3$$

$$4^{\text{th}} \text{ car} = 4$$

$$5^{\text{th}} \text{ car} = 5$$

$$6^{\text{th}} \text{ car} = 6$$

$$7^{\text{th}} \text{ car} = 7$$

$$1 + 2 + 3 + 4 + 5 + 6 + 7 = 28$$

WEDNESDAY MORNING MATH - LEVEL 3, PROBLEM 1

Rides at Fibonacci Amusement Park can accommodate lots of visitors. Each boat in the Fabulous World of Fractions ride holds 12 people, and 3 boats can start the ride simultaneously (at the same time). The ride takes 12 minutes.

If the ride closes in exactly 1 hour, will all 192 people in line be able to ride through the Fabulous World of Fractions? **NO**

Show your answer and explain how you found it.

Every 12 minutes, 36 people will be able to ride.
 $12 \text{ minutes} + 12 + 12 + 12 + 12 = 60 \text{ minutes or } 1 \text{ hour}$
 $36 \times 5 = 180$, which is not enough for all 192 people to ride.

WEDNESDAY MORNING MATH – LEVEL 3, PROBLEM 2

Katie and her friend Jackson went to the grocery store. Jackson bought 3 apples and 4 oranges. Katie bought apples, oranges, and bananas. She bought the same total number of fruits as Jackson.

What are all the possible combinations of fruits that Katie could have bought? Show them below:

Katie bought the same number of fruit as Jackson, which was 7 pieces of fruit. Below are all of the combinations of fruit, using all 3, which add to 7.

Apples	Oranges	Bananas
1	1	5
1	2	4
1	3	3
1	4	2
1	5	1
2	1	4
2	2	3
2	3	2
2	4	1
3	1	3
3	2	2
3	3	1
4	1	2
4	2	1
5	1	1

**WEDNESDAY MORNING MATH -
LEVEL 3, PROBLEM 3**

Charlotte, Lorraine and Theresa together have a total of 190 paperback books.

Charlotte and Lorraine have the same number of paperback books.

Lorraine and Theresa together have 119 paperback books.

How many paperback books does Theresa have? **48 books**

Show your work below:

Lorraine = 71

Charlotte = 71

Theresa = 48

***the best way for the students to solve this will probably be just trial & error**

**WEDNESDAY MORNING MATH -
LEVEL 4, PROBLEM 1**

Harriet carries 12 books at a time into her classroom. She has to make stacks of 10 books each. The first time she carries in 12 books, she takes 2 books off the top to start a new stack. She does this until the first time she ends with all the stacks containing exactly 10 books.

How many stacks of 10 books does Harriet have? **6 stacks**

Show your work below.

$$1^{\text{st}} \text{ stack} = 10$$

$$2^{\text{nd}} \text{ stack} = 2 + 8$$

$$3^{\text{rd}} \text{ stack} = 4 + 6$$

$$4^{\text{th}} \text{ stack} = 6 + 4$$

$$5^{\text{th}} \text{ stack} = 8 + 2$$

$$6^{\text{th}} \text{ stack} = 10$$

**WEDNESDAY MORNING MATH -
LEVEL 4, PROBLEM 2**

In the pattern below, it takes 4 rows to place 10 bowling pins and 5 rows to place 15 bowling pins.

If this pattern continued, in what row would the hundredth bowling pin be placed? **14th row**

X
XX
XXX
XXXX
XXXXX

1, 3, 6, 10, 15, 21, 28, 36, 45, 55, 66, 78, 91, 105

**WEDNESDAY MORNING MATH -
LEVEL 4, PROBLEM 3**

A farm has pigs, cows and chickens. The number of cows is one more than the number of pigs. The number of chickens is three times the number of cows.

If the farm has between 201 and 210 animals, what is the maximum number of chickens on the farm? **126 chickens**

$$\text{Cows} = 1 + \text{pigs}$$

$$\text{Chickens} = 3 \times \text{cows}$$

$$41 \text{ cows} + 40 \text{ pigs} + 123 \text{ chickens} = 204 \text{ animals}$$

$$42 \text{ cows} + 41 \text{ pigs} + 126 \text{ chickens} = 209 \text{ animals}$$