

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

Harry, Ron, and Hermione all went fishing.

- Harry caught 5 more fish than Ron.
- Ron caught 4 more fish than Hermione.
- Hermione caught 2 fish.

How many fish did Harry catch? How many fish did Ron catch?

$$5 + 6 = 11$$

$$4 + 2 = 6$$

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

Spring is right around the corner.....

Alice, Duncan, and Julia all go to pick some flowers.

- Alice found 5 more sunflowers than Duncan.
- Duncan found 6 more sunflowers than Julia did.
- Julia only found 2 sunflowers.

How many sunflowers did Duncan find? How many did Alice find?

$$6 + 2 = 8$$

$$5 + 8 = 13$$

**WEDNESDAY MORNING MATH –
LEVEL 1, PROBLEM 3**

Frog and Toad have a contest to see who could leap over the most lily pads.

- Together they are able to leap over 10 lily pads.
- Frog was able to leap over 2 more lily pads than Toad.

How many lily pads did Frog leap over? How many did Toad leap over?

Frog = 6 & Toad = 4

WEDNESDAY MORNING MATH – LEVEL II, PROBLEM 1

In P.E. Mr. Chapman is having his students work on jumping rope. The kids are trying to see how many times they can jump rope without messing up at all.

- The first child jumps rope 44 times.
- The second child jumps 37 times. **-7 every time**
- The third child jumps 30 times.
- The kids continue to jump in this same pattern.....
- The last student jumped just 2 times.

How many kids were in the class?

44, 37, 30, 23, 16, 9, 2

7 kids in the class

WEDNESDAY MORNING MATH – LEVEL II, PROBLEM 2

The first grade gets to make a special field trip to the SPCA. As they are taking their tour, they notice that there is a room of cats.

- In the room, there are 3 shelves of cats.
- There are 2 cats on each shelf.
- Two cats are brown, 2 are white, 1 is black, and 1 is spotted.
- There is no brown cat on the top shelf.
- There is a white cat between a spotted cat and a brown cat.
- The black cat is not next to the spotted cat.
- A brown cat is directly below the black cat.

Can you draw how the cats are lined up on the shelves?

One option:

Shelf 1: Spotted & White
Shelf 2: White & Black
Shelf 3: Brown & Brown

Another Option:

White & Spotted
Black & White
Brown & Brown

WEDNESDAY MORNING MATH – LEVEL II, PROBLEM 3

Nurse Hall and Mrs. Overton went to buy some fruit at the market.

- They paid less than 60 cents and more than 50 cents.
- They paid with 2 quarters and 3 other coins.

How much could the teachers have paid?

1) QQPPP = 53 cents

2) QQNPP = 57 cents

WEDNESDAY MORNING MATH – LEVEL III, PROBLEM 1

Mrs. Terry and Mrs. Campbell place 8 plastic toy dogs into a box.

If they reach into the box and take 1 dog out without looking:

- The dog is more likely to be black than brown;
- The chance of the dog being orange is 2 out of 8;
- The dog is least likely to be yellow.

What colors are the teachers' dogs? **Black, brown, orange, yellow**

How many dogs of each color are there?

Black = 3, Brown = 2, Orange = 2, Yellow = 1

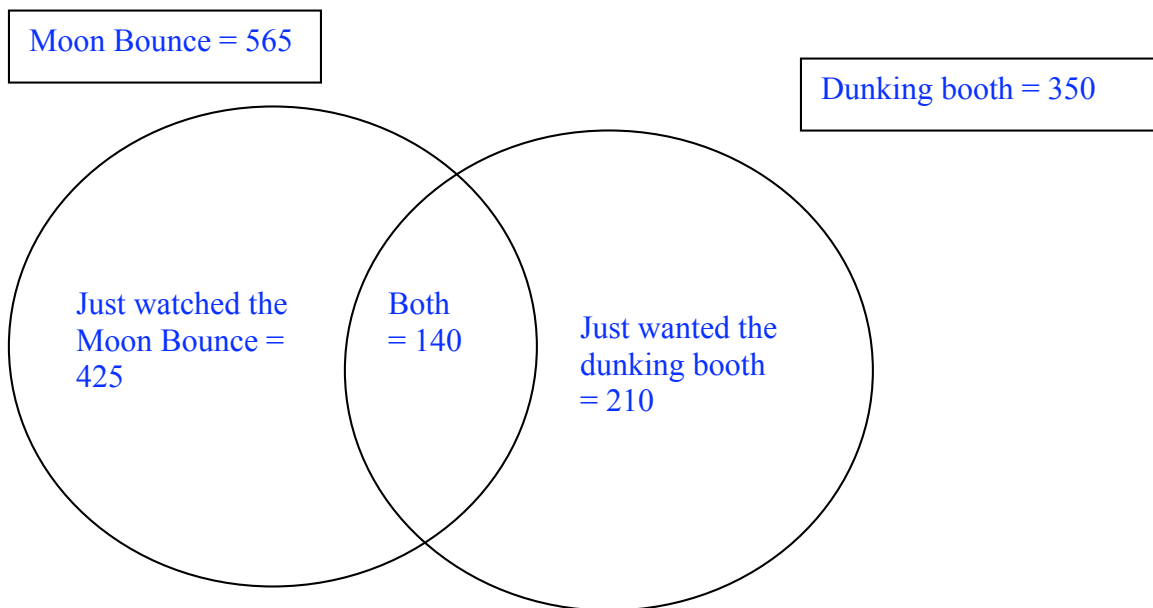
WEDNESDAY MORNING MATH – LEVEL III, PROBLEM 2

Last year at the Village Green Fair, a lot of students said that their favorite games were the dunking booth and the Moon Bounce.

- There were 350 people in all who watched the dunking booth.
- There were 565 people in all who watched the Moon Bounce.
- 140 people went to both shows.

How many people all together went to these two shows?

HINT: Use the Venn diagram below!



Answer: $210 + 140 + 425 = 775$

WEDNESDAY MORNING MATH – LEVEL III, PROBLEM 3

Mrs. Beane, Mrs. Hotchkiss, and Mr. Turner went to a conference. They went to a sandwich shop for lunch and had a lot of choices to make.

They could choose the bread, filling, and topping for each of their sandwiches.

- They could choose white bread, wheat bread, or rye bread.
- They could have turkey, ham, or meatballs. (only 1)
- They could put lettuce, tomatoes, or sprouts on the sandwich. (only 1)

How many different sandwiches could the kids order? **27 total**

Students should make different combinations of bread, meat, and condiments – could look something like this:

WTL, WTT, WTS, WHL, WHT, WHS, WML, WMT, WMS
(9 different combinations with white bread)

WhTL, WhTT, WhTS, WhHL, WhHT, WhHS, WhML, WhMT, WhMS
(9 different combinations with wheat bread)

RTL, RTT, RTS, RHL, RHT, RHS, RML, RMT, RMS
(9 different combinations with rye bread)

You may also be able to lead the students to realize:
 $3 \text{ options} \times 3 \text{ options} \times 3 \text{ options} = 27 \text{ options}$

WEDNESDAY MORNING MATH – LEVEL IV, PROBLEM 1

Some third grade students took a large number of seeds from the garden and packaged them into small envelopes. They sold them on Parent/Teacher Conference Day.

- The students started with 300 envelopes, but everyone wanted them.
- The first hour, they sold 6 envelopes.
- The second hour, they sold 14 envelopes.
- Each hour, they sold 8 more envelopes of seeds, than the hour before.

During which hour did the students run out of seed envelopes?

During the 9th hour:

1st hour = 6, 2nd hour = 14, 3rd hour = 22, 4th hour = 30,
5th hour = 38, 6th hour = 46, 7th hour = 54, 8th hour = 62,
9th hour = 70

$6 + 14 + 22 + 30 + 38 + 46 + 54 + 62 = 272$, so during the next hour, the 9th hour, they will have sold 300 envelopes

WEDNESDAY MORNING MATH – LEVEL IV, PROBLEM 2

Mrs. Coleman was playing with her dog, Jake.

- Jake loves to find balls!
- Whenever Mrs. Coleman takes him on a walk, Jake will run into bushes and come out with tennis balls.
- On the last walk, Jake found 180 balls!
- Jake found 4 times as many yellow tennis balls as all the other colors combined.

How many balls in Jake's collection were yellow? How many were other colors?

Yellow balls = 144

Other colors = 36

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

**** to solve this problem, students must know that 4 quarts = 1 gallon**

The Lower School teachers all decided to go on a kayaking adventure.

Towards the end of the trip, Mrs. Garnett and Mrs. Featherston's kayak springs a leak. They are in the same kayak.

- A gallon of water comes through the hole into the kayak every minute.
- The teachers desperately bail the water out of the hole.
- Together, they can bail out 2 quarts of water in a minute.
- Their kayak will sink if it has more than 3 gallons of water in it! (3 gallons = 12 qts)
- Dr. Hunter immediately sees that her teachers are in trouble and starts paddling over to help.
- It takes her 5 minutes to get to them.

Does Dr. Hunter get to their kayak before it sinks? **YES!**

Minute	Water in	Water out	Water left in boat
1 st	4 qts	-2 qts	2 qts
2 nd	4 + 2	-2 qts	4 qts
3 rd	4 + 4	-2 qts	6 qts
4 th	4 + 6	-2 qts	8 qts
5 th	4 + 8	-2 qts	10 qts