

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

It is January and Mrs. Pickett wants to buy special gifts for her students. She found sparkly pencils that said "Second Graders are #1," and she wants to buy one for each student.

There are 6 pencils in a pack and she has 22 students in her class.

How many packs does she need to buy? **4 packs**

Will she have any leftover pencils? **Yes, 2 pencils**

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

Mrs. Clore has a beautiful garden filled with daisies, roses, and sunflowers. This year she grew 30 flowers in all.

15 of these were daisies. 10 of these were roses.

How many sunflowers were there? **5 sunflowers**

How do you know? Show your work below.

$$15 + 10 + 5 = 30$$

## WEDNESDAY MORNING MATH - LEVEL 1, PROBLEM 3

Charlie wanted to meet some friends at the park to play baseball. Since the park is only 6 blocks away, he decided to walk.

After he walked all the way to the park, he realized he's forgotten his mitt at home. So, he walked back home, picked up his mitt, and walked back to the park.

After a few games of baseball with his friends, Kevin walked back home once again. When he got home, he fell right to sleep on the couch.

Why was Kevin so tired? How many blocks had he walked in all?

**24 blocks in all:  $6 + 6 + 6 + 6$  (& he played basketball!)**

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

Sondra has 6 more comic books than Katie.

Katie has 5 more comic books than Alisha.

Alisha has 7 comic books.

How many comic books does Sondra have? **18 comic books**

**Alisha has 7.**

**Katie has  $5 + 7 = 12$**

**Sondra has  $6 + 12 = 18$**

## WEDNESDAY MORNING MATH - LEVEL 2, PROBLEM 2

Hanukkah lasts for eight nights.

For each night of Hanukkah a candle is lit on the menorah, the candle holder. There are places on the menorah for eight candles, and an additional place for the Shamash, the candle used to light the other candles.

On the first night of Hanukkah, the Shamash is lit, and it is used to light the 1<sup>st</sup> candle. Both candles are allowed to burn down until they are gone.

On the second night, using fresh candles, the new Shamash is lit, then the 1<sup>st</sup> and 2<sup>nd</sup> candles are lit. These are burned down until they are gone.

This pattern is followed through the eight nights of Hanukkah. Each night brand new, fresh candles are used. A new candle is added to the menorah and they all burn down until they are gone.

How many candles will be needed to supply enough for all eight nights of Hanukkah? Show your work below. **44 candles**

$$1^{\text{st}} \text{ night} = 1 + 1 = 2$$

$$2^{\text{nd}} \text{ night} = 1 + 1 + 1 = 3$$

$$3^{\text{rd}} \text{ night} = 1 + 1 + 1 + 1 = 4$$

$$4^{\text{th}} \text{ night} = 1 + 1 + 1 + 1 + 1 = 5$$

$$5^{\text{th}} \text{ night} = 1 + 1 + 1 + 1 + 1 + 1 = 6$$

$$6^{\text{th}} \text{ night} = 1 + 1 + 1 + 1 + 1 + 1 + 1 = 7$$

$$7^{\text{th}} \text{ night} = 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 = 8$$

$$8^{\text{th}} \text{ night} = 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 = 9$$

$$\text{total} = 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 = 44 \text{ total candles}$$

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

I have four two-digit numbers written on my paper.

The sum of these four numbers is less than 100.

True or false: each number is less than 25. **FALSE**

**Bonus:** If all the numbers on my paper are different, what is the largest number I could possibly have written?

There are many ways that you can approach this problem - lots of solutions.....but, we know that each number does not have to be less than 25.

We could have  $10 + 11 + 12 + 66 = 99$

66 is the largest number that we could write and still have the sum be less than 100.

## WEDNESDAY MORNING MATH - LEVEL 3, PROBLEM 1

Ann and Ellie want to buy their mother a box of candy for Valentine's Day. They emptied their piggy banks and discovered that Ann had twice as much in her bank as Ellie had in hers. Together they had a total of \$10.50.

How much did each girl contribute to the total? Show your work below.

Ann contributed \$7.00.

Ellie contributed \$3.50.

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

Chris has a giant bag of gumballs and wants to share them with his friends.

He gives half of what he has to his buddy, Jason. He gives half of what's left after that to Mary. Then he gives half of what's left now to Zack. His mom makes him give 5 gumballs to his sister. Now he has 10 gumballs left.

How many gumballs did Chris have to begin with? **120 marbles**

**Chris ends with 10 gumballs.....working backwards through the problem.....**

**Before he gave 5 to his sister, he had 15.**

**Before he gave  $\frac{1}{2}$  to Zach, he had 30.**

**Before he gave  $\frac{1}{2}$  to Mary, he had 60.**

**Before he gave  $\frac{1}{2}$  to Jason, he had 120.**

**So, he began with 120 marbles.**



## WEDNESDAY MORNING MATH - LEVEL 3, PROBLEM 3

Sarah and her mother invited 3 other pairs of mothers and daughters to their house to make holiday ornaments. They made a total of 46 ornaments.

Sarah made 2 ornaments.

Monica made 3 ornaments.

Dawn made 4 ornaments.

Jenny made 5 ornaments.

Mrs. Carpenter made the same number of ornaments as her daughter. The other mothers made more than their daughters. Mrs. Sawyer made twice as many as her daughter. Mrs. Fisher made 3 times as many, and Mrs. Taylor made 4 times as many.

1. Find how many ornaments each mother made.
2. Match each mother with her daughter.

Daughter:

Sarah (2)

Monica (3)

Dawn (4)

Jenny (5)

Mother:

Mrs. Fisher (6)

Mrs. Taylor (12)

Mrs. Carpenter (4)

Mrs. Sawyer (10)

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

This past Christmas, Santa had 88,947 elves working every day. There were three eight-hour shifts working around the clock. The same number of elves work on each shift.

How many elves are working on each shift? **29,649 elves**

$$88,947 / 3 = 29,649$$

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

A woman wins a four-day fishing tournament with a total of 36 fish. If she had caught two more first on the 1<sup>st</sup> day, two fewer fish on the 2<sup>nd</sup>, twice her catch on the 3<sup>rd</sup>, and half her catch of the 4<sup>th</sup>, she would have caught the same number of fish each day but lost the tournament.

In winning the tournament, how many fish did she catch each day?

She caught six fish on the first day, 10 on the second, four on the third, and 16 on the fourth.

## WEDNESDAY MORNING MATH – LEVEL 4, PROBLEM 3

One day in math class Mia invented a problem for her classmates to solve.

She said, "My mom's and dad's ages are 3 years apart. I'm exactly  $\frac{1}{4}$  of my mom's age, and I'm 24 years younger than Dad. How old am I?"

Mia was surprised when her classmates came up with two different ages that fit her clues.

What answers did her classmates find?

Mia could be 7 years old.  
(Mom would be 28, Dad would be 31.)

Mia could also be 9 years old.  
(Mom would be 36, Dad would be 33.)

Strategies: guess and check, or start by looking at multiples of 4 (you know that Mia is  $\frac{1}{4}$  of her mom's age) - and see which ones work.