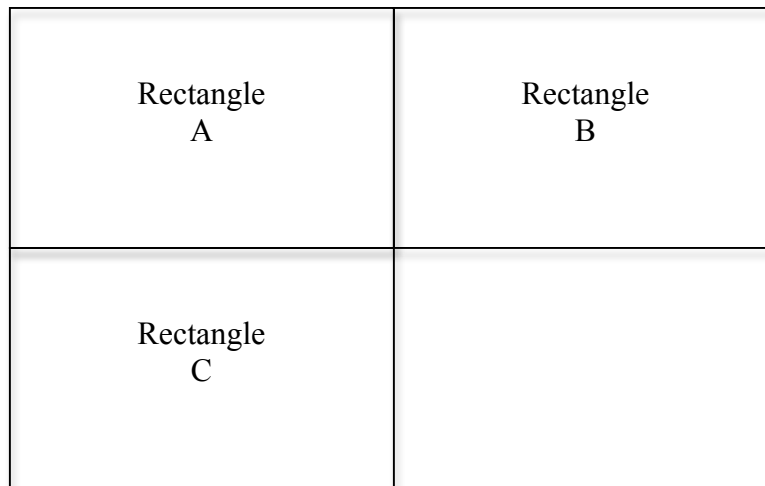


**WEDNESDAY MORNING MATH -
LEVEL 1, PROBLEM 1**

How many rectangles are there in the figure below?

5 rectangles



A, B, C, A&B, A&C = 5 rectangles

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

Look at the numbers 1, 2, 3, 4, 5, 6.

Add three of those numbers to get the largest sum possible.

What is that number? $4 + 5 + 6 = 15$

Add three of those numbers to get the smallest sum possible.

What is that number? $1 + 2 + 3 = 6$

What number do you get when you subtract the smaller sum from the larger sum?

$$\underline{15 - 6 = 9}$$

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

There are 8 crayons in each box. Three of the crayons in each box are red. Stephanie has a total of 12 red crayons.

How many boxes of crayons does Stephanie have?

4 boxes of crayons

1 box contains 3 crayons

2 boxes contain $3 + 3 = 6$ crayons

3 boxes contain $3 + 3 + 3 = 9$ crayons

4 boxes contain $3 + 3 + 3 + 3 = 12$ crayons

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

Jamal left his house at 8:40am to ride his bike. He returned 4 hours and 40 minutes later. At what time did he return?

1:20 pm

Show your work below:

$$8:40 + 4 \text{ hours} = 12:40\text{pm}$$

$$12:40\text{pm} + 40 \text{ minutes} = 1:20 \text{ pm}$$

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

What number is just as far from 6 as it is from 20?

13

Show your work below:

6 is 7 away from 13 and 20 is 7 away from 13

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

Mr. Carpenter, Mr. Plumber, and Mr. Engineer work as a carpenter, a plumber, and an engineer. None of them has a job which is the same as his name. Mr. Plumber's wife is the engineer's twin sister. Who is the plumber?

Mr. Engineer

Show your work below:

Mr. Carpenter is either the plumber or engineer.

Mr. Plumber is either the carpenter or engineer.

Mr. Engineer is either the carpenter or plumber.

Because it says that Mr. Plumber's wife is the engineer's twin sister, Mr. Plumber cannot be the engineer, which means he has to be the carpenter.

If Mr. Plumber has to be the carpenter, then Mr. Engineer has to be the plumber, and Mr. Carpenter has to be the engineer.

WEDNESDAY MORNING MATH - LEVEL 3, PROBLEM 1

In the addition problem below, find the digit that is represented by y . Different letters represent different digits. Each time the same letter appears it represents the same digit.

$$\begin{array}{r} x\ y\ z \\ +\ z\ y\ x \\ \hline 5\ 6\ 4 \end{array}$$

What is y ? **8**

Show your work below:

Since $y + y$ is an even number (either 6 or 16), you know that nothing is carried over from $z+x$ in the one's column. Y is either a 3 or an 8. A one must be carried over from $y+y$ because $x+z=5$ in the hundred's place. Therefore, y must be 8. ($x=1, y=8, z=3$)

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

If 2 is subtracted from twice a number, the result is 50. What is the number?

26

Show your work below:

Twice the number must be 52, so the number is 26.

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

Alex has quarters and Beth has dimes. Alex exchanges with Beth a quarter for a dime. She continues to do this until Beth is out of dimes. Beth now has \$1.25 and Alex has \$2.25 in quarters and dimes. How many quarters did Alex have in the beginning?

12 quarters

Show your work below:

Beth now has \$1.25 in quarters. (5 quarters)

**Alex has \$2.25 in quarters & dimes.
5 of those dimes were exchanged. Subtract those from the total, and she had \$1.75 in quarters (7 quarters) + the 5 that she exchanged, for a total of 12 quarters.**