

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

Lucy invited 29 friends to her birthday party. Of those invited, 11 boys and 12 girls came to her party.

How many of those invited did NOT come to her party? **6**

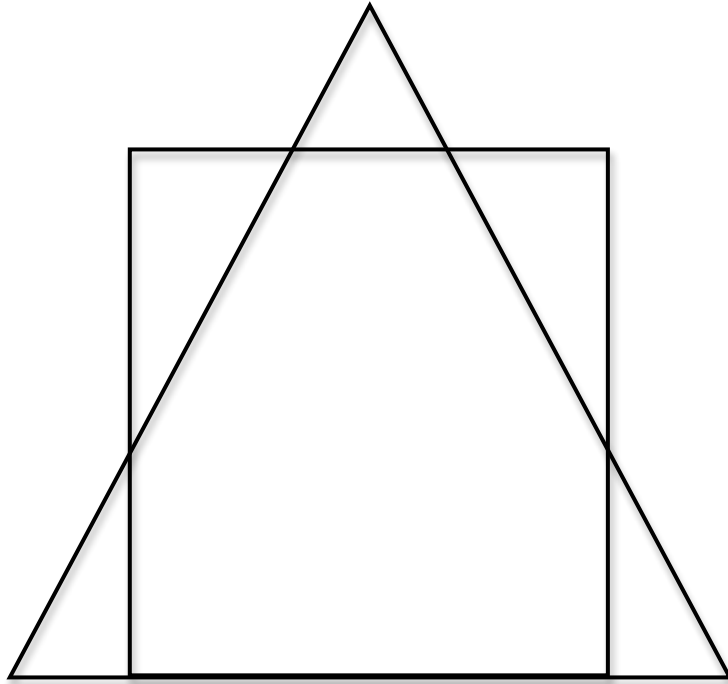
Show your work below:

$$11 \text{ boys} + 12 \text{ girls} = 23 \text{ friends}$$

$$29 \text{ invited} - 23 \text{ coming} = 6 \text{ did not come}$$

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

How many triangles are there in the figure below? **6**



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

Which number is just as far from 9 as it is from 31?

- a) 17      b) 18      c) 19      **d) 20**      e) 21

Show your work below:

From 9 to 17 = 8 and 17 to 31 = 14; 17 does not work

From 9 to 18 = 9 and 18 to 31 = 13; 18 does not work

From 9 to 19 = 10 and 19 to 31 = 12; 19 does not work

From 9 to 20 = 11 and 20 to 31 = 11; 20 DOES work

From 9 to 21 = 12 and 21 to 31 = 10; 21 does not work

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

Sandra has 5 more marbles than Allison. Catherine has as many marbles as Sandra and Allison have together.

If Sandra has 11 marbles, how many marbles does Catherine have?

**17**

Show your work below:

**Sandra has 5 more than Allison.**

**Allison has ?**

**Catherine has the same as Sandra + Allison**

**So, if Sandra has 11, Allison must have 6, so Catherine has  
 $11+6 = 17$**

## WEDNESDAY MORNING MATH – LEVEL 2, PROBLEM 2

Today is neither a Wednesday nor a Saturday.

Tomorrow is neither a Friday nor a Monday.

Yesterday was neither a Sunday nor a Monday.

What day of the week is it today? **FRIDAY**

Show your work below:

If Today is not a Wednesday, that means that yesterday was not a Tuesday and tomorrow is not a Thursday.

If Today is not a Saturday, that means yesterday was not a Friday and Tomorrow is not a Sunday.

If Tomorrow is not a Friday, that means today is not a Thursday and yesterday was not a Wednesday.

If Tomorrow is not a Monday, today is not a Sunday and yesterday was not a Saturday.

If Yesterday was not a Sunday, today is not a Monday and tomorrow is not a Tuesday.

If Yesterday is not a Monday, today is not a Tuesday and tomorrow is not a Wednesday.

\*The only day left for today is FRIDAY.

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

There are 50 marbles in pile A and 31 marbles in pile B.

If **4** marbles are moved from pile B to pile A, there will be **TWICE** as many marbles in pile A as in pile B.

Show your work below:

If A has 50 then B has 31.

If A has 51 then B has 30.

If A has 52 then B has 29.

If A has 53 then B has 28

If A has 54 then B has 27. (A now has twice B)...move 4 marbles

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

Mrs. Davis is 34 years old. In 6 years she will be 4 times as old as her son.

How old is her son now? **4 years old**

Show your work below:

**If Mrs. Davis is now 34 years old, in 6 years she will be 40 years old. IF at 40 she is 4 times as old as her son, then her son will be 10 in 6 years, which means he is currently  $10-6$  or 4 years old.**

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

A box of 140 marbles contains only red, green, and blue marbles.  
There are three times as many green marbles as red marbles.  
There are six times as many blue marbles as red marbles.

How many blue marbles are there in the box? **84 marbles**

Show your work below:

Students will probably solve this using trial and error – just trying different amounts to see what works.....

**RED = 14 MARBLES**

**GREEN = 42 MARBLES (3 times red)**

**BLUE = 84 MARBLES (6 times red)**



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

The dominoes below are to be arranged into a square with an empty space in the center. One of these is placed, as shown.

All the sides are to add up to the same number.

Fill in the empty spaces.



3	4	2
3		6
3	5	1