

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

The Knights of the Round Table are numbered 1-9. They sit at the table in this order: 1,9,2,8,3,7,4,__,__.

If you continue this pattern, which two numbers will come next?

6 & 5

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

King Arthur's sword collection is impressive. He uses the swords to fight dragons. When the Queen asks how many swords he has, he replies,

"I have an odd number of swords.

I have less than 12 but more than 5.

I can separate my swords into 3 equal stacks."

How many swords does the king have? **9**

WEDNESDAY MORNING MATH - LEVEL 1, PROBLEM 3

Jesters are jokesters who do tricks and provide other entertainment for the royal family during their evening meal.

Suppose 4 jesters enter the castle, one at a time.

Their names are Jester Al, Jester Bo, Jester Cool, and Jester Dab.

Al comes into the castle after Dab.

Cool comes in after Bo but before Dab.

Who came in 1st? **BO**

Who came in 2nd? **COOL**

Who came in 3rd? **DAB**

Who came in 4th? **AL**

WEDNESDAY MORNING MATH - LEVEL 2, PROBLEM 1

Eight students are assigned seats in their classroom. From the clues below, can you figure out the order of their seats?

Kim sits in the first seat.

Alice sits just before Taylor, who sits in the last seat.

Michael sits just behind John.

Jan sits just before John.

Peter sits between Kim and Jack.

Only two students sit before Jack.

1. Kim
2. Peter
3. Jack
4. Jan
5. John
6. Michael
7. Alice
8. Taylor

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

The population of Heidi's hometown at the end of 2006 was 18,079. In the next year it grew by more than 1000, but less than 1500. Heidi noticed that the new population had the exact same digits as it had at the end of 2006.

What was the population at the end of 2007? **19,087**

Show your work below.

$$18,079 + 1000 = 19,079$$

$$18,079 + 1500 = 19,579$$

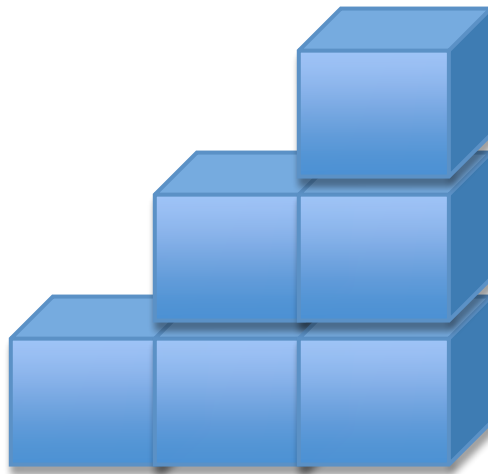
the answer must be between 19,079 & 19,579

if it must use the digits 1-8-0-7-9, the answer must be

19,087

WEDNESDAY MORNING MATH – LEVEL 2, PROBLEM 3

Ross and Catherine are building a stairway out of blocks. How many total blocks would be needed to make a stairway in which the last step is 12 steps high?



Step 1 Step 2 Step 3

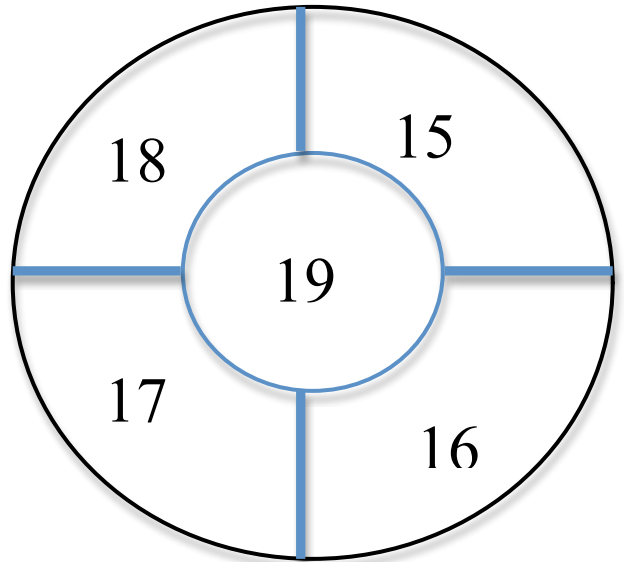
$$1+2+3+4+5+6+7+8+9+10+11+12 = 78 \text{ blocks}$$

WEDNESDAY MORNING MATH - LEVEL 3, PROBLEM 1

Dana challenged her friends to a game of darts on her new dart board.

Players take turns throwing darts. A player wins by scoring exactly 100 points.

Come up with one combination of scores that will win the game.



Is there another combination that will work?

The following combinations will all work:

$$17 \times 5 + 15$$

$$15 \times 2 + 16 + 17 + 18 + 19$$

$$15 \times 2 + 16 + 18 \times 3$$

$$15 \times 2 + 16 \times 2 + 19 \times 2$$

$$15 \times 2 + 17 \times 3 + 19$$

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

Kevin, Dustin, and Mike collect baseball cards.

Together, Dustin and Kevin have 81 cards.

If Dustin and Mike combined their cards, they would total 96.

The sum of Kevin's and Mike's cards is 93.

How many cards does each boy have?

Kevin has 39. Mike has 54. Dustin has 42.

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

If $\square 5 + \square 5 = 10$

And $\triangle 2 + \bigcirc 3 = \square 5$

And $\triangle 2 + \square 5 = 7.$

What number does \bigcirc represent? **3**

WEDNESDAY MORNING MATH - LEVEL 4, PROBLEM 1

Maria collects seashells. One day she decided to count them.

- When she counted them by 2s, there was 1 left.
- When she counted them by 3s, there were 2 left.
- When she counted them by 4s, there were 3 left.
- When she counted them by 5s, there were 4 left.

What's the minimum number of shells that she can have in her collection? **59**

Show your work below.

I started out by writing a list of possibilities, using the clue by 5s. I know it must be an odd number b/c if it has a remainder of 4 when divided by 5, it cannot be even.

Possibilities: 9, 19, 29, 39, 49, 59, 69, 79,

I then started with 9 & went through each clue. The first number to work with all clues was 59.

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

There are five Mondays in a certain month. If three of the five Mondays occur on even days, which day of the week is the 15th day of that month? **SUNDAY**

Show your work below.

