

TESTING ANXIETY:



LOGIC PUZZLES

LESSON OVERVIEW

Grade Levels: 6-8 & 9-12

PUZZLE 1

At the recent NIU downhill mountain bike race, four entrants entered the challenging slalom event. Here is what we know:

- Alan came first.
- The entrant wearing number 2 wore red, whereas John didn't wear yellow.
- The loser wore blue and Steve wore number 1.
- Kev beat Steve and the person who came second wore number 3.
- The entrant in yellow beat the entrant in green.
- Only one of the entrants wore the same number as their final position.

Can you determine who finished where, as well as the number and color they wore?

PUZZLE 2

This square has eleven letters missing, which you have to replace.

Every row, column, and main diagonal must contain all letters in the word "TOMAS".

| | | | | |
|---|---|---|---|---|
| T | O | M | A | S |
| | S | T | O | |
| | | A | | T |
| | T | O | | |
| | | S | T | |

PUZZLE 3

If I said that in three days' time it would be a Thursday, I am sure that most of you would have no difficulty telling me that today was a Monday.

Try this one then. Yesterday was two days before Monday. What day is it today? Yes, you're right again. It's Sunday. Do you get the idea?

Now let's tackle a similar question from The National Mathematics Contest (1991) Paper:

Three days ago, "yesterday" was the day before Sunday. What day will it be tomorrow?

PUZZLE 4

What is unique about 0236719458 ?

PUZZLE 5

A poor woman and a rich woman are talking about music.

The poor woman says she has studied music and can name a song with any name in it.

The rich woman says, "OK, if you can find a song with my daughter's name in it, I will give you a thousand dollars. Her name is Cia Vale."

The poor woman gives her answer and is instantly \$1,000 richer.

What was her answer?

ANSWER KEY

Question 1:

| First Place | Second Place | Third Place | Fourth Place |
|-------------|--------------|-------------|--------------|
| Alan | Kev | Steve | John |
| #2 | #3 | #1 | #4 |
| Red | Yellow | Green | Blue |

Question 2:

| | | | | |
|---|---|---|---|---|
| T | O | M | A | S |
| A | S | T | O | M |
| O | M | A | S | T |
| S | T | O | M | A |
| M | A | S | T | O |

Question 3:

Thursday

Question 4:

The Names of the numbers are in reverse alphabetical order

Question 5:

Happy Birthday Song