

Have some fun!

Challenge yourself!

Submit your solutions:

Paper copy to Red or Blue Quad Office

Digital Copy, Picture, Movie to klorenz@cesd73.ca

Open to all OHS students. Please have your solutions in by February 28 to win amazing prizes.

2 ∞ & Beyond

Show your process to a complete solution!

Part 1

Triskaidekaphobia is an irrational fear of the number 13. Because of fear and superstition surrounding the number 13, it is common in tall buildings for the 13th floor to be skipped when installing elevators buttons, it is instead numbered 14. A particularly fearful hotel owner decided to skip floor 13, as well as, any multiples of 13 when numbering the floors. He did the same thing when numbering the rooms. If each floor has rooms numbered to 100 and the elevator has buttons numbered to 30, how many rooms does the hotel have?

Part 2

Friday the 13th is a day that is believed widely to be unlucky, a superstition thought to be among the most common in the United States. Friday the 13th occurred in November 2015. In what month will the next Friday the 13th occur?

Part 3

What is the maximum number of Friday the 13ths that can occur in any one calendar year?