Event 2 – Math Challenge: Pokemon Go

Supplies Needed:
Math Challenge Sheets
Team Notebooks for Scratch Paper

Teachers: Please cover these topics before passing out the sheet.
- 365 days in the year
- 24 hours in a day
- 60 minutes in a hour
- 60 seconds in a minute
- 1 meter equals 3.28 feet
- 1 kilometer equals .62 miles
- 1 mile equals 5,280 feet
- 1 foot equals 12 inches
- Formula to convert meters to feet: Meters x 3.28 = feet

Pokémon Go is an augmented reality game developed by Niantic Labs, Inc for mobile devices. It was released July 2016, and has been downloaded by more than 130 million people worldwide. The premise of the game is for players to use their mobile devices to locate, capture, train and battle virtual monsters called Pokémon. Players are required to travel to different locations within their city, state, and even around the world in order to locate different types of Pokémon.

It has quickly set Guinness World Records for the most revenue grossed by a mobile game in its first month, most downloaded mobile game in its first month, most international charts topped simultaneously for a mobile game in its first month, and the fastest time to gross $100 million by a mobile game. Although it has received mixed reviews by critics due to frequent technical issues, Pokémon Go has been a huge success due to the nostalgia surrounding Pokémon, the social aspect of playing, and the mix of real world gameplay through augmented reality.

This year's Math Challenge is centered completely around Pokémon Go and the mechanics within the game. Using real world situations and data pulled from within the game, teams will need to work together to solve the 20 questions in this challenge. Once complete, students who play Pokémon Go will have a deeper understanding of how the game works and how to become the best Pokémon Master they can be!

Teams should work together to solve as many of the problems as they can in the allotted time. Teams can choose to work together on the problems or divide up the worksheet among the team members.

Teams can remove the Answer Sheet from the math packet. Teams are only required to turn in this sheet when finished.

Please refer to the Math Answer Key when scoring this project.