

## Statistics Summer Work

As we move into the next school year, we prepare for new challenges and experiences. However, it is important that our foundation is sound and on sure footing. Throughout the summer, you will complete a series of modules in MyOpenMath.

### Returning Students:

Go to MyOpenMath.com

Login on right of screen

Locate "Courses you're taking" list

If not listed hit "Enroll in a New Class"

Course ID: **74213**

### New to CPS:

Go to MyOpenMath.com

On right menu click "Register as a new Student"

Enter info using Concordia Prep email address

At bottom of form, enter course ID: **74213**

The purpose of this work is to keep you current in your math skills and to make sure you are prepared to complete standard tasks that will come up in your enrolled course for next year. After discussion with students and teachers, the Math Department has created what we believe will be an appropriate level of work to complete throughout the summer.

The work will be organized into 2-3 week chunks in order to account for vacations, down time, jobs, personal responsibilities, and such. It is not my intention for you to struggle through this work, but if you have questions I will be available via email. You are encouraged to use online resources to review topics independently before asking for help. The schedule is as follows:

Assignment 1 – Due June 28, 2020

#### Decimals, Fractions, and Percents:

- ) Round decimals.
- ) Convert between fractions, decimals, and percents.
- ) Compare fractions, decimals, and percents.
- ) Use fractions, decimals, and percents to describe charts.

Assignment 2 – Due July 12, 2020

#### The Number Line:

- ) Plot points and intervals on the number line.
- ) Find the distance between two points on the number line.
- ) Represent an inequality as an interval on the number line.
- ) Midpoint.

Assignment 3 – Due August 2, 2020

#### Sets:

- ) Understand Venn diagrams.
- ) Use set notation.
- ) Find the complement of a set.
- ) Find the union and the intersection of two sets.

Assignment 4 – Due August 23, 2020

#### Graphing Points and Lines in Two Dimensions:

- ) Plot an ordered pair  $(x, y)$  in a rectangular coordinate system.
- ) Use the equation of a line to find the  $y$ -value associated with a given  $x$ -value.
- ) Given the equation of a line, draw the graph of the line.
- ) Find the equation of a line from its graph.
- ) Understand the  $y$ -intercept as the value of  $y$  when  $x = 0$ .
- ) Find the vertical distance between a point and a line.

Assignments will be listed on the course page on MyOpenMath.com. We will maintain a Sunday night schedule throughout the summer. Assignments will close at midnight on their due dates and will not be reopened after their due dates. These assignments will be put into a single grade for first quarter next year.

If you have any further questions or concerns, do not hesitate to contact me.

Mr. Erickson

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