

Math Investigation Center

Who Wants to Be a Millionaire?



Unit of Study 1

Core Correlation: 5.NBT.5

DOK: 2

Type of Activity: Problem Solving

Materials: paper and pencil

Introduction:

Would you rather have \$ 1,000,000 right now, or get a penny and double the amount each day for 30 days?

Instructions:

- Make a prediction whether it would be more beneficial to have \$ 1,000,000 right now, or get a penny and double the amount each day for 30 days
- Come up with a way to calculate how much money you would make in 30 days if you doubled a penny each day.
- Show your work in a table, graph, or chart.
- Which option would give you the most money? Write a paragraph defending your answer. Be sure to include mathematical evidence.

Assessment:

Grade will be determined by completion of the following:

- Written paragraph with mathematical evidence