Logarithms: How Long Until I Double My Money?

Project Goal:
Students will use logarithms to determine the amount of years it will take to increase their money to a desired multiplier (i.e. Doubling or Tripling)

Standard:
CCSS.MATH.CONTENT.HSF.BF.B.5
(+) Understand the inverse relationship between exponents and logarithms and use this relationship to solve problems involving logarithms and exponents.

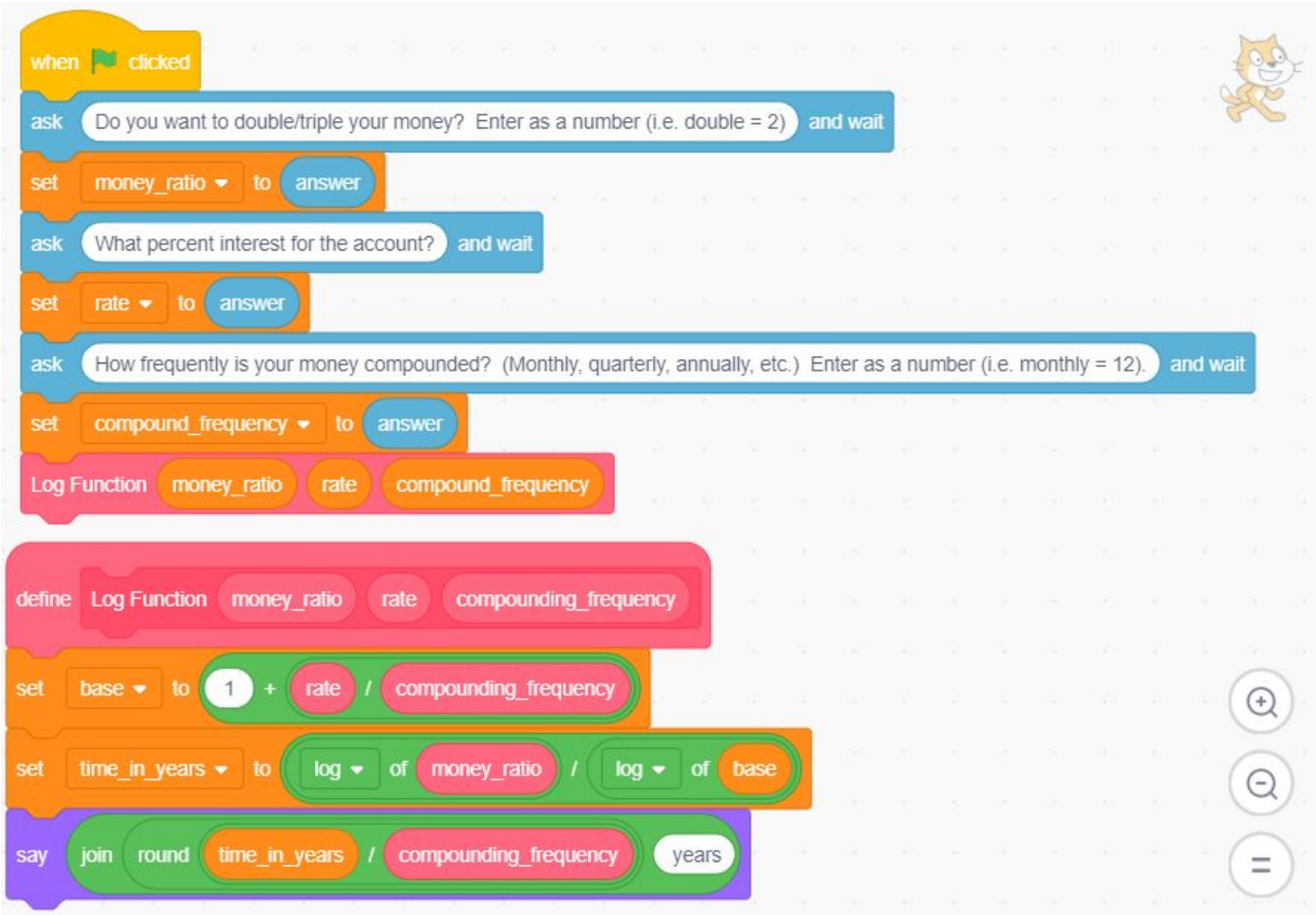
Student Guide

Teacher Notes:
Previous to running this lesson it's ideal if students have had lessons both on compound interest and the structure of logarithms.

You should follow the link to the student guide above so that you have experienced the lesson as a student prior to running in your classroom. In algebra II courses the lesson has taken 45 minutes on average to complete. If the class gets stuck on a step in task 2, it can be very empowering if you let a student share their approach to the class, but make sure they don't give information into past the step being examined.

Best of Luck!

Possible Solution:



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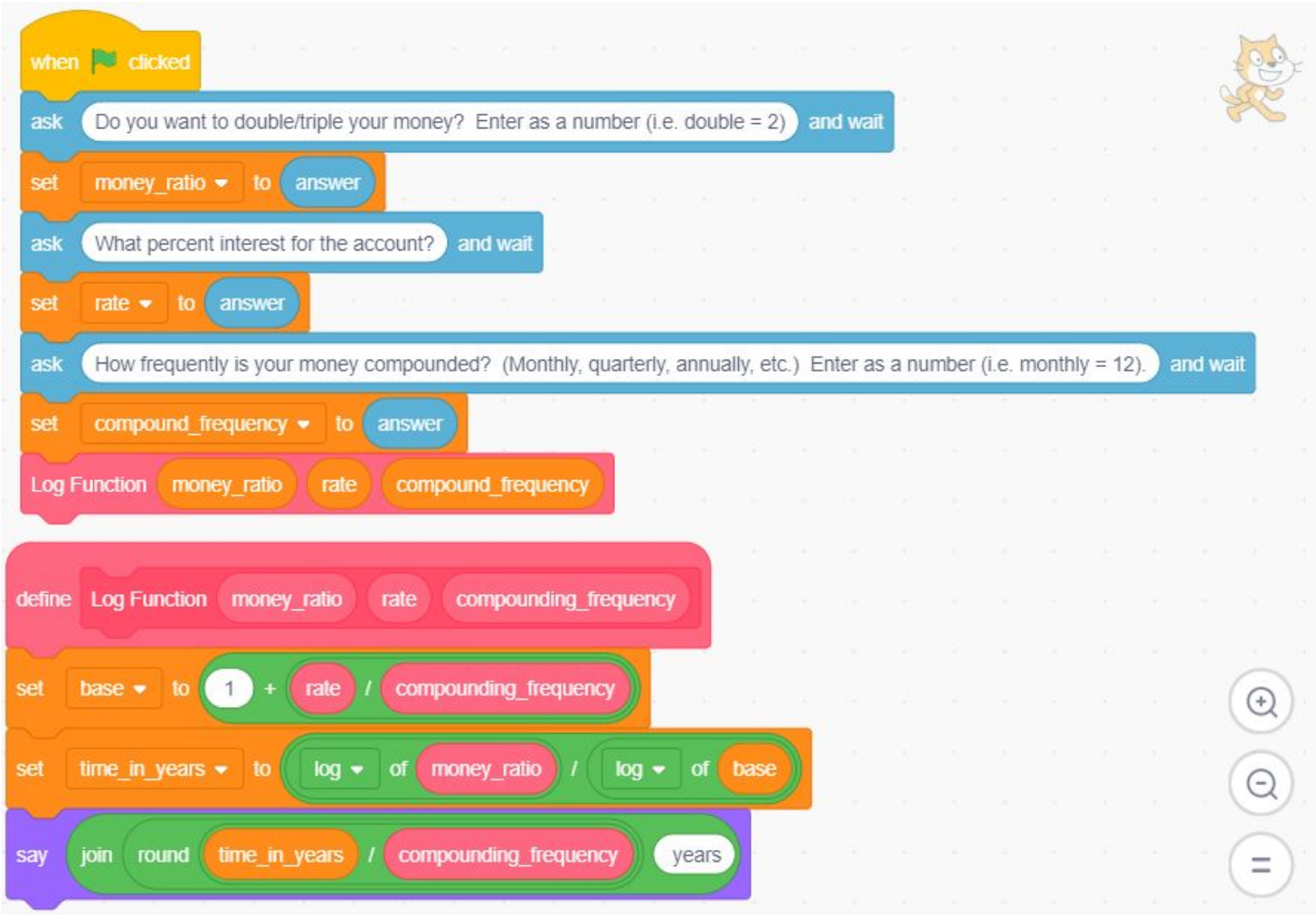

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