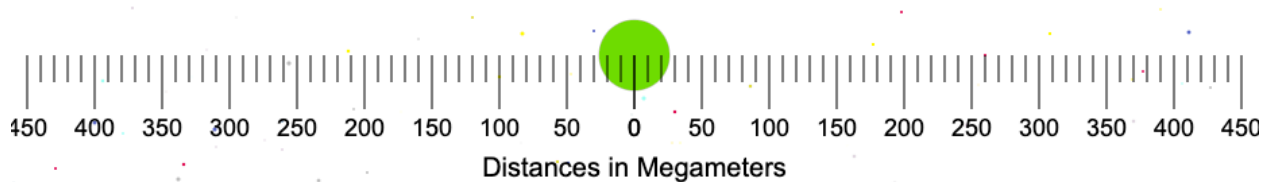


Jolly Green Gas Giant

Step 1: Below is a picture of your gas giant. Draw the moon on either side of the planet showing its greatest distance that it gets from the planet. Also write down the time it took the moon to make a complete orbit of the planet (one period)



Step 2: Using the number from step 1, show neatly how you can find the velocity of the moon

Step 3: Realizing that the mass of the moon will not affect your final answer, use a value of 1000 kg and then find the mass of the planet. Show all your steps neatly in the space below. Enter your answers into your program to check that you did everything properly