

Chapter 0 HW

Review Question: 5

Exercise: 2

Additional:

1. How many kilograms are in 7320 grams?
2. How many grams in 500 kilograms?
3. The average distance between the Sun and Earth is 93 million miles.
 - a) Write this number in scientific notation.
 - b) How many inches is it to the Sun?
 - c) How many kilometers is it to the Sun?
4. What is your height?
 - a) How many inches tall are you?
 - b) How many centimeters tall are you?
 - c) How many meters tall are you?
5. An observation is made that everything moving on the road requires fuel. Apply the scientific method to this observation.
 - a) Make a hypothesis
 - b) Make a prediction about what you expect to happen
 - c) Describe an experiment or observation you could use to test your hypothesis
6. At a steady inflation rate of 7% per year, what will be the price every 5 years for the next 20 years for a theater ticket that now costs \$20? Graph the price for each five years during the 20-year period; you should have four data points to graph.