0.6 Student Activity Key

The Metric System

Penguin Bay Biology
- Biology Class, Simplified -

Using the 'jump' method, complete the following conversions:

Kilo – hecto – deka – (main unit) – deci – centi – milli

1) 1 cm = 10 mm

2) 1 m = 100 cm

3) 1 m = 1000 mm

4) 1 km = 1000 m

5) 1 g = 1000 mg

6) 1 kg = 1000 g

7) 4568 m = 4.568 km

8) 0.34 m = 34 cm

9) 1.2 L = 1200 mL

10) 563 mL = 0.563 L

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Using the following data, answer the questions and create a graph.

An elderly patient was sent home with a cholesterol monitoring device. The patient was instructed to take a daily cholesterol reading for 14 days. Good cholesterol readings for older adults are less than 200; borderline readings are 200 – 239, and high readings are 240 or higher. Below is a chart of the results:

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
189	189	192	190	194	188	190
Day 8	Day 9	Day 10	Day 11	Day 12	Day 13	Day 14
201	198	197	203	221	209	199

1. What is the average cholesterol reading? 197
2. Based on the average reading, does this patient have high cholesterol? No
3. Draw a line graph of the data and label it correctly: There will be variation in what the students choose for naming the axes, the title and the legend. You may point out that it isn't reasonable to start the y-axis at zero in this case.