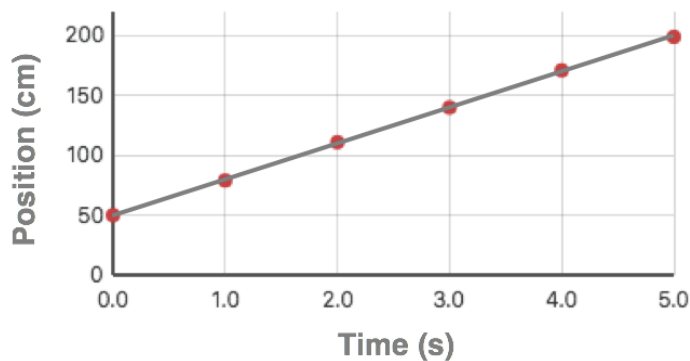


Using Graphs

For the following graphs, calculate the **slope** and make a **For Every** statement to describe the relationship between the plotted quantities. Show your work for the slope calculation. **PSYW**

1. The plot represents the position of a toy car as a function of time. Calculate the slope of the line.

Slope (PSYW):

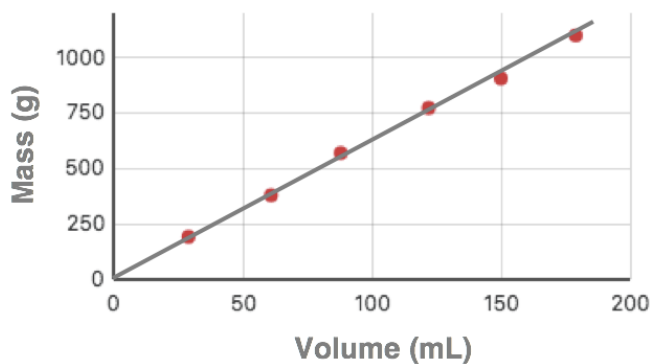


For Every Statement:

For every 1.0 second of time change, the position changes by ...

2. The plot shows the mass of an unknown metal as a function of its volume. Calculate the slope of the line.

Slope (PSYW):

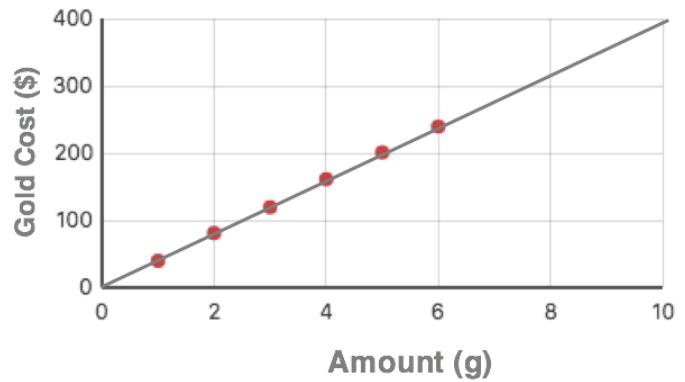


For Every Statement:

For every 1.0 mL of Volume change, the mass changes by ...

3. The plot shows the cost of gold as a function of the amount purchased. Calculate the slope of the line.

Slope (PSYW):



For Every Statement:

For every additional 1.0 gram of Gold, the cost changes by ...

Prediction:

Use the provided information to predict the cost of

a. ... 7.0 grams of gold: _____

b. ... 8.0 grams of gold: _____

c. ... 10.0 grams of gold: _____

d. ... 2.5 grams of gold: _____

e. ... 12.0 grams of gold: _____

f. ... 20.0 grams of gold: _____

g. ... 6.8 grams of gold: _____