

For appropriate units,

You want to model the pressure of water on a given area of a submarine. Which units would be appropriate for measuring this quantity?

- a. pounds per inch
- b. square meters per liter
- c. grams per cubic centimeter
- d. pounds per square inch

You want to model the speed of a motorcycle. Which units would be appropriate for measuring this quantity?

- a. hours per meter
- b. kilometers per hour
- c. kilometers per mile
- d. minutes per hour

You want to model how the value of a gold mining company changes over time. Which units would be appropriate for measuring this quantity?

- a. thousands of dollars per month
- b. dollars per ounce
- c. dollars per euro
- d. weeks per year

Ayanna and Zoe are measuring the speed of a snail. Which units would be *most* appropriate for measuring this quantity?

- a. meters per second
- b. minutes per millimeter
- c. miles per hour
- d. millimeters per minute

You want to find the amount of rain water that a collection container will hold when full. Which units would be appropriate for measuring this quantity?

- a. liters
- b. pounds per cubic yard
- c. milligrams per cubic meter
- d. square feet

You want to find the density of a red brick that you can hold in your hand. Which units would be appropriate for measuring this quantity?

- a. ounces per cubic inch
- b. minutes per hour
- c. pounds per cubic yard
- d. milligrams per cubic meter

You want to measure the length of a bridge on a country road. Which units would be appropriate for measuring this quantity?

- a. milligrams
- b. centimeters
- c. feet
- d. ounces