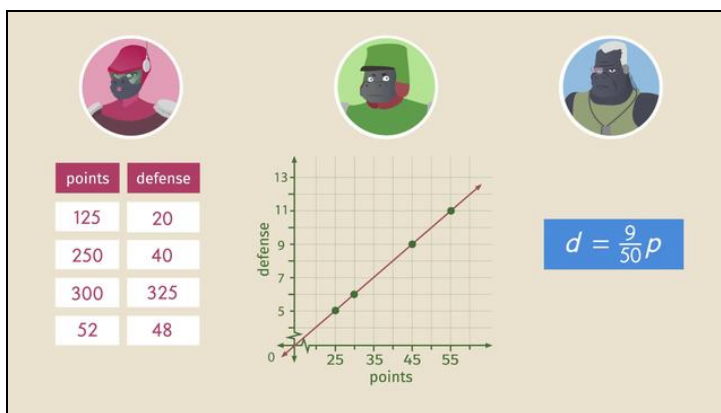




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# Comparison Shopping: Unit Price and Related Measurements



- 1 Define rate and unit rate.
- 2 Find the rate and unit rate from multiple representations.
- 3 Determine the best price by identifying the unit price.
- 4 Find the unit rate.
- 5 Identify the steps used to determine a unit rate.
- 6 Determine the best deal using unit rate.
- + with lots of tips, answer keys, and detailed answer explanations for all of the problems.



The complete package, including all problems, hints, answers, and detailed answer explanations is available for all [sofatutor.com](https://www.sofatutor.com) subscribers.



## Define rate and unit rate.

Select the correct definition of rate and unit rate.

- A  
Unit Rate: The ratio of a measurement against another measurement.
- B  
Unit Rate: The ratio of two measurements in which the second term is one.
- C  
Rate: A ratio that compares two different quantities.
- D  
Rate: A ratio that compares two quantities of measure in which the second term is one.



## Hints for solving these problems

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of 6

### Define rate and unit rate.

#### Hint #1

Some examples of rates are: 7 apples to 6 oranges, 4 cups of flour per 2 cups of milk, and 70 miles per 2 hours.

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#### Hint #2

Some examples of unit rates are: defense per **point**, cost per **unit**, and miles per **hour**. Point, unit, and hour are **singular**.

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#### Hint #3

When simplifying a unit rate, the goal is to make the denominator 1.

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## Answers and detailed answer explanations for these problems

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### Define rate and unit rate.

**Answer key:** B, C

The definition of **unit rate** is the ratio of two measurements in which the second term is **1**.

The definition of **rate** is a ratio that compares two different quantities.

**Unit rate** and **rate** are similar because they both compare two measurements, but in a **unit rate** the second measurement is always reduced to **1**.