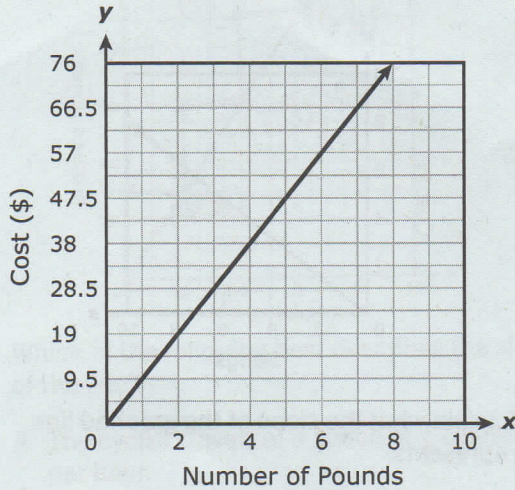


Name: \_\_\_\_\_

Unit 9 — Standard 8.4(B) - Readiness

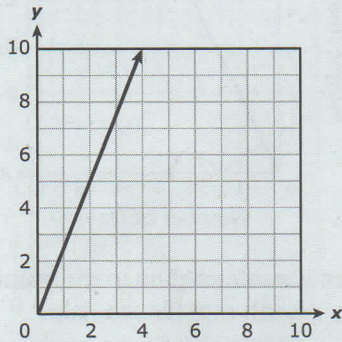
Concept Check

- 1 Marty purchases cashews. The relationship between cost and the number of pounds he purchases is modeled by the graph.



Which of the following best describes the slope of the line graphed?

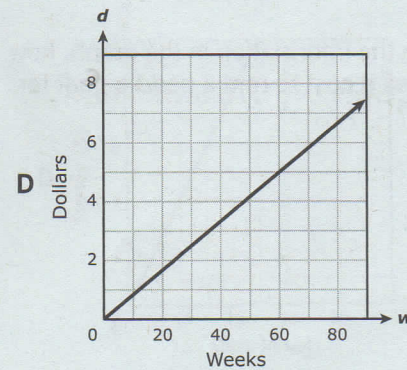
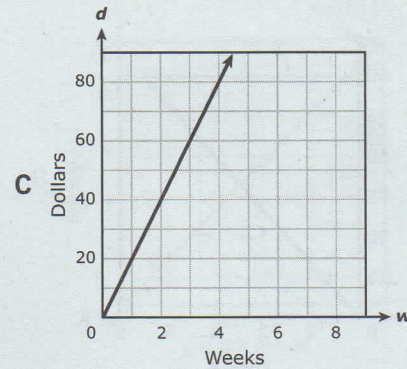
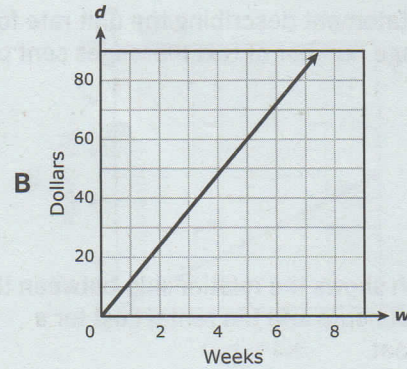
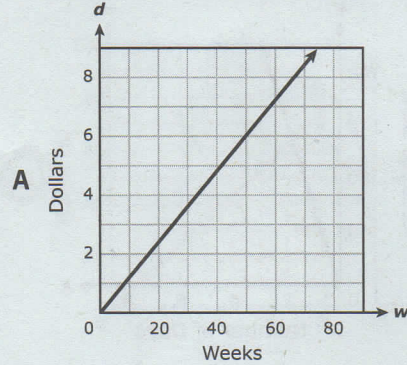
- A Cashews cost \$19 per pound.
  - B Cashews cost \$2 per pound.
  - C Cashews cost \$9.50 per pound.
  - D Cashews cost \$28.50 per pound.
- 2 Look at the graph.



Which unit rate could be represented by the line shown in the graph?

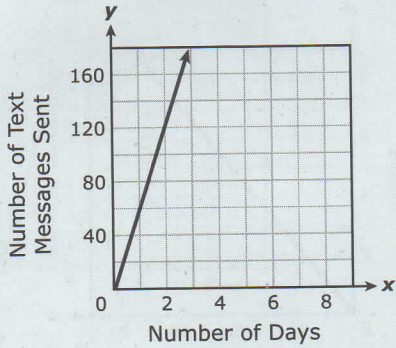
- F Paul pays \$5 per ticket for a movie.
- G Julia earns \$10 per hour babysitting.
- H The restaurant charges \$3 per hot dog.
- J Xavier reads 2.5 books each month.

- 3 George opens a savings account and saves \$12 each week. Which line can be used to model the relationship between the number of weeks,  $w$ , and the number of dollars,  $d$ , George saves?



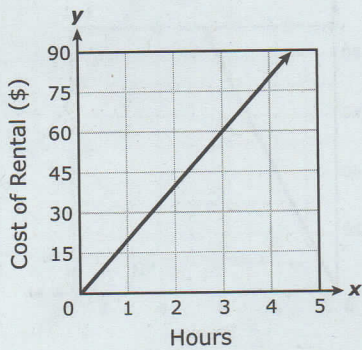
## Check

A study was conducted to determine the average number of text messages sent by teenagers in a day.



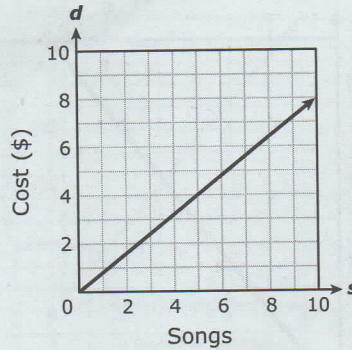
Write a statement describing the unit rate for the average number of text messages sent per day.

- 5 The graph shows the relationship between the number of hours and the rental cost for a paddle boat.



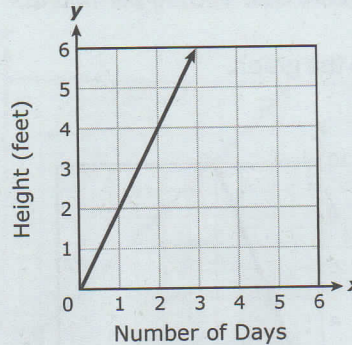
Based on the information in the graph, how much does it cost to rent a paddle boat for one hour?

- 6 Sonja downloads songs to her phone. The relationship between the cost and the number of songs she downloads is shown.



Explain what the slope of the graphed line represents.

- 7 The graph shows the growth rate, in feet, of sea kelp.



Based on the information in the graph, what is the daily growth rate for sea kelp?