


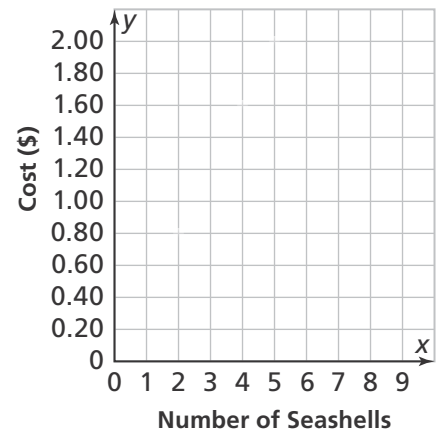
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2-5 Additional Practice

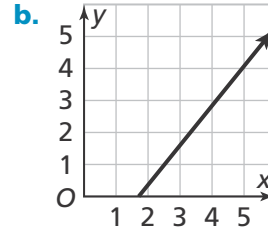
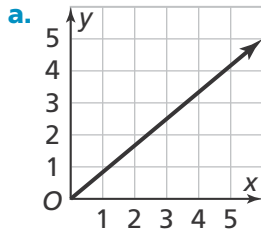
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1. Three friends are buying seashells at the gift shop on the beach. Melanie buys 2 seashells for \$0.80. Rosi buys 5 seashells for \$2.00. Carlos buys 4 seashells for \$1.60.

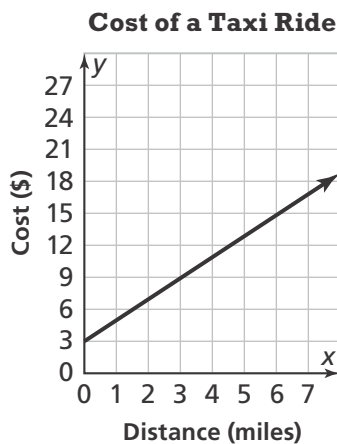
Use a graph to determine whether the number of seashells and the cost have a proportional relationship. If so, what is the constant of proportionality and what does it mean?



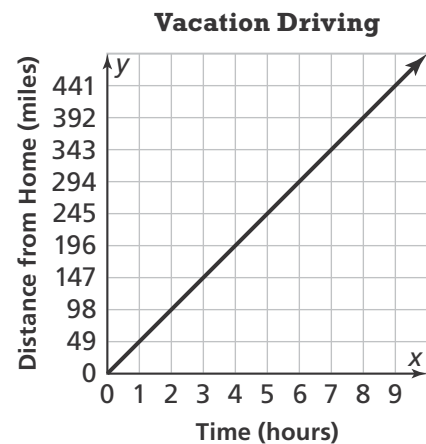
2. For each graph shown, tell whether it shows a proportional relationship. Explain why or why not.



3. The graph shows the relationship between the distance a taxi travels and the cost of the taxi ride. Is the relationship proportional? Explain.



4. The graph shows a proportional relationship between a family's distance from home and the time spent driving.

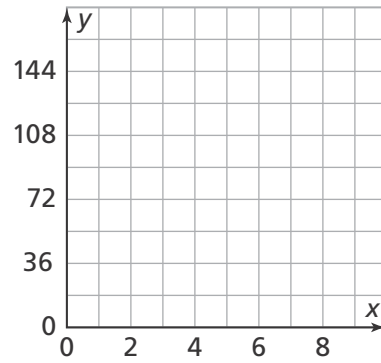


- a. What does the point (1, 49) represent?

- b. **Look for Relationships** Write an equation that represents the proportional relationship. © MP.7

5. Two tickets to an ice skating performance costs \$36. For five tickets it costs \$90, and for nine tickets it costs \$162.

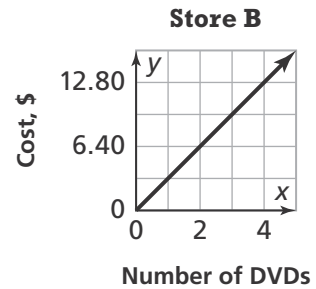
Model with Math Use the graph to determine whether the number of tickets and the cost have a proportional relationship. If so, what is the constant of proportionality and what does it mean? © MP.4



6. **Higher Order Thinking** The table and graph show the costs to buy DVDs at two different stores.

- a. Which store has the better deal on DVDs? Explain.

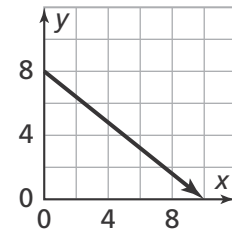
Store A	
Number of DVDs (x)	Cost, \$ (y)
2	6.30
3	9.45
4	12.60



- b. How much money will Sheila save if she buys 20 DVDs at the store with the better deal than at the other store?

© Assessment Practice

7. Does the graph at the right show a proportional relationship between x and y ? Explain.



8. The graph at the right shows the relationship between the weight of silver and the total cost. Which of the following is true? Select all that apply.

- The point (0, 0) means that 0 pounds of silver cost \$0.00.
- The point (1, 17) shows the constant of proportionality.
- The point (4, 68) means that \$4.00 is the cost for 68 pounds of silver.
- The point (2, 34) means that 34 pounds of silver cost \$2.00 per pound.
- The graph shows a proportional relationship.

