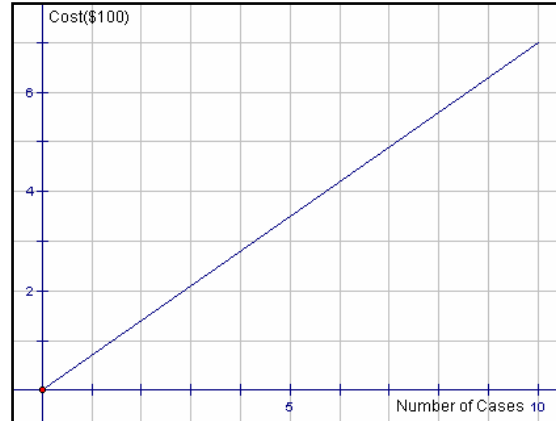## 7.2 Key Concepts 3 Meaning of Slope Worked Example
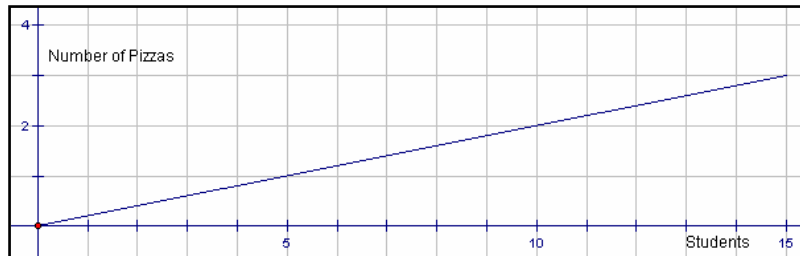
Example: Lucy bought 10 cases of chocolate bars for $750 to be used in a fund-raiser for her school. She modelled the purchase with a graph as shown. What does the slope of this graph measure?

Solution: The slope measures the change in cost as the number of cases increases, or how much each additional case of chocolate bars will cost.
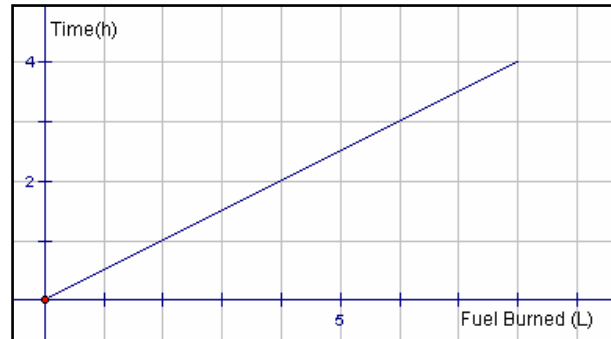
Practice:

1. Francesco was given the job of ordering pizzas for a class party. He decided to order 3 pizzas for the 15 students in the class. He modelled the order with a graph as shown. What does the slope of this graph measure?

2. Elspeth took her motorcycle on a trip. She rode for 4 h, and burned 8 L of fuel. She modelled these data using a graph, as shown. What does the slope of this graph measure?

Answers:
1. The pizza consumed by each student.
2. The ride time for each litre of fuel.