

Name _____

Date _____

Interpreting Slope and Rate of Change In Context - Guided Lesson

Complete the following problems:

1) Matthew is charged \$50 and an additional \$0.15 per mile that he drives the motorbike.

a) Represent the cost of motorbike if it was driven 70 miles with an equation.

b) What would be the total cost of a motorbike that was driven 90 miles?



2) Jessica's weight is 65 kg. She wants to increase her weight so she starts eating more. After 5 weeks she is 75 kg weight. Make a graph that shows Jessica's situation.

a. Find the slope of the line.

b. What does this slope tell us?

c. What is Jessica's weight increase per week?

3) Lauren uses 7kg of flour for baking cupcakes and additional 2 kg of flour per 5 people that will be eating cupcakes.

a) Write the amount of flour that was used to prepare cupcakes for 25 people with an equation.

b) What would be the total amount of flour needed for 55 people?

