

Linear Word Problems

Unit 5

1. Marco spent \$7 per day. Knowing Marco, he probably spent it on Lotto scratchers. After 5 days, he had \$8 left.
 - a. What two pieces of information are you given? _____ and _____?
 - b. Write an equation in slope-intercept form for the situation.
 - c. How much money did Marco have to start with?
 - d. How much money did he have after the 3rd day?

2. Jenna works at a retail shop. She makes a flat amount of \$50, and \$3 for each item she sells.
 - a. What two pieces of information are you given? _____ and _____?
 - b. Write an equation in slope-intercept form for the situation.
 - c. How much money does she make if she sells 29 items?
 - d. How many items does she have to sell if she wants to make \$100 in a day? (Give an appropriate answer)

3. Justin goes to a local arcade one weekend. He starts out with a certain number of tokens and spends them on games at a consistent rate. After 15 minutes he had 50 tokens, and after 40 minutes he didn't have any tokens left.
 - a. What two pieces of information are you given? _____ and _____?
 - b. Write an equation in slope-intercept form for the situation.
 - c. How many minutes would it take him to use 36 tokens?
 - d. Explain why the slope is negative for this situation.

