

Cell phone charts

Cell phone plan chart

Plan	Cost per month	Cost of additional minutes

Monthly bill chart

Cost per month	Cost of additional minutes	Number of minutes over plan	Monthly bill
		5	
		10	
		15	
		20	
		25	
		30	
		35	
		40	

Linear equation scenarios

Name _____ Date _____

For each of the scenarios below, write out:

- a. The formula to calculate what is needed
- b. The constant amount(s)
- c. The variable amount(s)

Scenario 1:

You are a cell phone company and are trying to figure out a way to easily calculate how much a person's monthly bill will be if he or she uses more minutes than his or her plan allows. If you charge \$35.99 per month for service and \$0.35 per additional minute, what formula could you use?

- a. _____
- b. _____
- c. _____

Scenario 2:

You are a rental car owner and are trying to determine a way to easily calculate how much a person should be charged for renting a car. If you charge \$25 to rent the car and \$0.20 per mile, what formula could you set up?

- a. _____
- b. _____
- c. _____

Scenario 3:

You operate an amusement park and are trying to determine a way to easily calculate how much to charge for groups to enter your park. If you charge \$55.95 for the first five (5) people and \$9.95 for each additional person, what formula could you set up?

- a. _____
- b. _____
- c. _____