Objective for 10/31: I can write and solve systems of equations that represent the real world with 2 or 3 variables.

## **Practice**

1.) Campus Rentals rents 2- and 3-bedroom apartments for \$700 and \$900 per month, respectively. Last month they had six vacant apartments and reported \$4600 in lost rent. How many 2-bedroom apartments were

vacant?

a. Define your variables

2-bed = \$700 and 3-bed=\$900

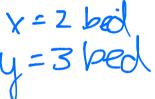
b. Write your system

\$4600 6 2-bed, 3-bed

c. Look at the question. Solve for the question 2

700x + 900 = 4600 total

2 bed 6 = 1 + 1 = 6



2.) Mr. Campos is writing a history test. It will have true/false questions worth 2 points each and multiple-choice questions worth 4-points each for a total of 100 points. He wants to have twice as many multiple-choice questions as true/false.

- a. Define variables
- b. Write equations
- c. Look at question and solve

3.)	Mark knows that he has scored a total of 70 points so far this basketball season. His coach told him that he	
	scored 37 times, but Mark wants to know how many free throws, field goals and three pointers he has mad	١.
	The sum of his field goals and three points equal twice the number of free throws minus two. How many	
	free throws, field goals and three pointers has Mark made?	
	a. Define variables	
	d. Beilife variables	
	b. Write equations	
	c. Look at question and solve	

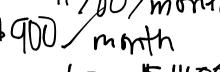
Objective for 10/31: I can write and solve systems of equations that represent the real world with 2 or 3 variables.

## Practice

- 1.) Campus Rentals rents 2- and 3-bedroom apartments for \$700 and \$900 per month, respectively. Last month they had six vacant apartments and reported \$4600 in lost rent. How many 2-bedroom apartments were vacant?
  - a. Define your variables

    bed = 6

2 bed >



b. Write your system

74600

apts - \$4600 los

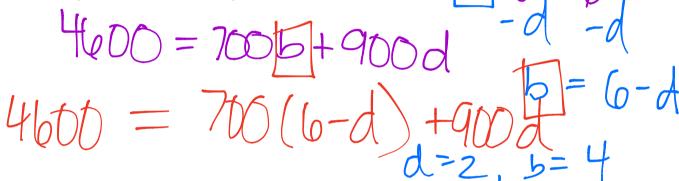
c. Look at the question. Solve for the question.

2 beditom cost

- 2.) Mr. Campos is writing a history test. It will have true/false questions worth 2 points each and multiple-choice questions worth 4-points each for a total of 100 points. He wants to have twice as many multiple-choice questions as true/false.
  - a. Define variables
  - b. Write equations
  - c. Look at question and solve

3.)	Mark knows that he has scored a total of 70 points so far this basketball season. His coach told him that he	
	scored 37 times, but Mark wants to know how many free throws, field goals and three pointers he has mad	١.
	The sum of his field goals and three points equal twice the number of free throws minus two. How many	
	free throws, field goals and three pointers has Mark made?	
	a. Define variables	
	d. Beilife variables	
	b. Write equations	
	c. Look at question and solve	

Objective for 10/31: I can write and solve systems of equations that represent the real world with 2 or 3 variables.
Practice /
1.) Campus Rentals rents 2- and 3-bedroom apartments for \$7,00 and \$900 per month, respectively. Last month
they had six vacant apartments and reported \$4600 m lost tent. How many 2 bedroom apartments were
Vacant? 6 Vacant \$700/month → 2 bed \$4600 lost
a. Define your variables \$900/month -> 3 bed in a
-4600 = 7000 + 9000 pt by set Zbed mm
b. Write yoursystem (65+ 2+ex) = # 35ed
ph manth  that d =1
c. Look at the question. Solve for the question.



- 2.) Mr. Campos is writing a history test. It will have true/false questions worth 2 points each and multiplechoice questions worth 4-points each for a total of 100 points. He wants to have twice as many multiplechoice questions as true/false.
  - a. Define variables
  - b. Write equations
  - c. Look at question and solve

3.)	Mark knows that he has scored a total of 70 points so far this basketball season. His coach told him that he	
	scored 37 times, but Mark wants to know how many free throws, field goals and three pointers he has mad	١.
	The sum of his field goals and three points equal twice the number of free throws minus two. How many	
	free throws, field goals and three pointers has Mark made?	
	a. Define variables	
	d. Beilife variables	
	b. Write equations	
	c. Look at question and solve	

Objective for 10/31: I can write and solve systems of equations that represent the real world with 2 or 3 variables.

## Practice

1.) Campus Rentals rents 2- and 3-bedroom apartments for \$700 and \$900 per month, respectively. Last month

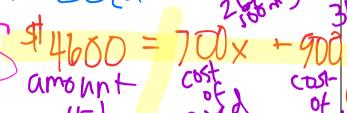
they had six vacant apartments and reported \$4600 in lost rent. How many 2-bedroom apartments were

vacant?

a. Define your variables

b. Write your system

c. Look at the question. Solve for the question.



X+4=6+0+0f

2.) Mr. Campos is writing a history test. It will have true/false questions worth 2 points each and multiple-choice questions worth 4-points each for a total of 100 points. He wants to have twice as many multiple-choice questions as true/false.

- a. Define variables
- b. Write equations
- c. Look at question and solve

3.)	Mark knows that he has scored a total of 70 points so far this basketball season. His coach told him that he	
	scored 37 times, but Mark wants to know how many free throws, field goals and three pointers he has mad	١.
	The sum of his field goals and three points equal twice the number of free throws minus two. How many	
	free throws, field goals and three pointers has Mark made?	
	a. Define variables	
	d. Beilife variables	
	b. Write equations	
	c. Look at question and solve	