

## Question 1:

### Step 1:

Start

### Step 2:

Set side length to x

Set height to y

### Step 3:

Get x

Get y

Calculate  $x*y$

set to z

### Step 4:

Display z

### Step 5:

Get z

Calculate  $z*.55$

set to ounces

### Step 6:

Display ounces

### Step 7:

Stop

## Question 2:

### Step 1:

Start

### Step 2:

Set bCurrent = 25

Set vCurrent = 28

Set cmCurrent = 40

Set bFall = 5

Set vFall = 12

Set cmFall = 2

Set B

Set V

Set Cm

**Step 3:**

Display "How many days in the future would you like a prediction for?"

Get user input

Set to x

**Step 4:**

$b_{Fall} * x + b_{Current} = B$

$v_{Fall} * x + v_{Current} = V$

$cm_{Fall} * x + cm_{Current} = C_m$

**Step 5:**

Display Brenciridge will have (B) inches, Vail will have (V) inches,  
and Copper Mountain will have (CM) inches

**Step 6:**

Stop

**Question 3A:**

**Step 1:**

Start

**Step 2:**

Display "Minimum Sqr Footage?"

Get user input( )

Store as MSF

Display "Do you have pets?"

Get user input(True or false? )

Store as P

Display “ What is the maximum monthly rent you’d pay”

Get user input( )

Store as MMP

### Step 3:

$MSF < 800$

Recommend Apartment A

$MSF > 800$

Recommend Apartment C

$MSF = 800$

Recommend Apartment B

Store as MSF\_Final

### Step 4:

$MMP < 1600$

Recommend Apartment A

$MMP > 1800$

Recommend Apartment C

$MMP = 1600$

Recommend Apartment B

Store as MMP\_Final

### Step 5:

$MMP = MSF$

Store as Final

MMP does not equal MSF

Store as Final

If final = apartment b  
Check if P = True

If P = true  
Recommend apartment A  
A = final  
Else keep b = final

Step 6:  
Display  
“You’d Love an Apartment (Get Final)!”

### Question 3b

#### Input scenario 1

Minimum sqr footage : 900  
Pets = False  
Maximum rent 900

Answer apartment A

#### Input scenario 2

Minimum sqr footage : 1200  
Pets = True  
Maximum rent 1700

Answer apartment A

### Input scenario 3

Minimum sqr footage : 1000

Pets = True

Maximum rent 2000

Answer apartment C

### Input scenario 4

Minimum sqr footage : 800

Pets = False

Maximum rent 17000

Answer apartment B

### Question 4A

#### Step 1

Start

#### Step 2

Set IT = 15,000

Store Month(#)

Set MonthlyCom =  $(.65/365) * ((\text{Month}(\#)(30))$

Set draw = 100

#### Step 3

It \* MonthlyCom

Store A for answer

A - Draw  
Store A for answer

Step 4:  
Display A

Step 5  
Stop

### Question 4B

Step 1  
Start

Step 2  
User input Initial Investment()  
Set to IT

User input Month(#)

Set MonthlyCom =  $(.65/365) * ((\text{Month}(\#)(30))$   
User input draw amount = 100

Step 3  
It \* MonthlyCom  
Store A for answer  
A - Draw  
Store A for answer

Step 4:  
Display A

Step 5

Stop

Question 5

Wrong Spelling of Endl

Semicolon After endl