

Computer Science Principles Practice Repeat Until

Name: _____
Partner Name: _____

Use the script block to evaluate the value of x.

Example



Iterations	x
1	1
2	2
3	3
4	4
5	5
6	7
7	9
8	11

Script in Pseudocode

When Flag Clicked

Set x to 0

Repeat until $x > 10$

if $x < 5$

```
set x to x + 1
```

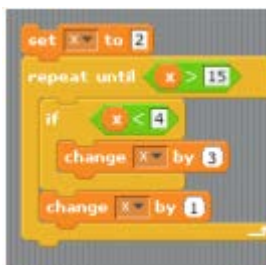
else

```
set x to x + 2
```

End Loop

What is the value of x after the repeat block is finished: 11

1. Try this

[illegible]

b. How many times did this iterate: _____

c. How many times did you enter the "if" block: _____

2. Try this



Iterations	x

b. How many times did this iterate: _____

3. Not so Crazy

a) Make up a not too crazy repeat until block.

b) Switch with a classmate and have them evaluate your script.

c) Draw the script here: (You can use Pseudocode)

d) Evaluate it here:

Iterations	x

4. Evil repeat-until

- Make up an evil repeat until block.
- Switch with a classmate and have them evaluate your script.
- Draw the script here: (You can use Pseudocode)

d) Evaluate it here:

Iterations	x

e) How many times did this iterate: _____