

If Else Blocks - ANSWERS

Understanding **if else** blocks are a very important part of computer programming. Try to figure out the output of each of the following. Then run the script to see if you are correct.

```
when clicked
  set number to 2
  if number < 5
    set number to 0
  say number
```

ANSWER: 0

```
when clicked
  set number to 2
  if number < 5
    set number to number + number
  say number
```

ANSWER: 4

```
when clicked
  set number to 2
  if number < 5
    set number to number + 2
  if number < 5
    set number to number + 2
  say number
```

ANSWER: 6

```
when clicked
  set number to 2
  if number < 5
    set number to number + 2
  else
    set number to number + 2
  say number
```

ANSWER: 4

```

when clicked
set number to 5
if number = 1
change number by 1
else
if number = 2
change number by 2
else
change number by 3
say number

```

ANSWER: 8

```

when clicked
set number to 5
repeat until number > 10
change number by 1
if number > 10
say number for 1 secs

```

ANSWER: 11

```

when clicked
set number to 5
repeat until number > 10
if number > 10
say number for 1 secs
change number by 1

```

ANSWER:
<DOES NOT SAY ANYTHING>

```

when clicked
set number to 1
repeat 5
if number < 10
change number by number + number
say number

```

ANSWER: 27