

# The Power of Nested Loops (School Year)

Created by

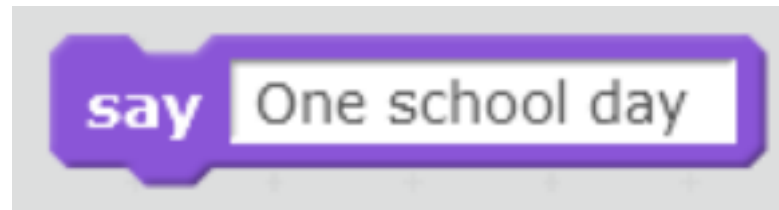
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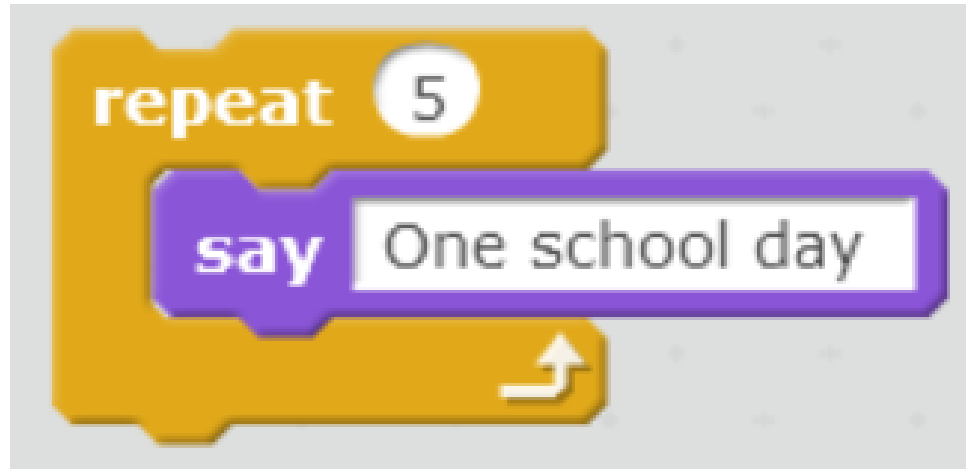


# There is a better way



One Day

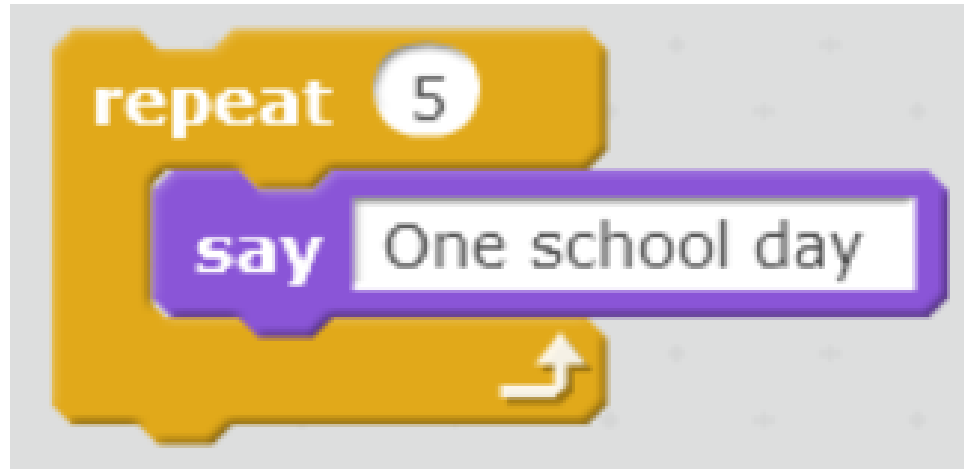
# Loop



One School Week

# Loop

What would you add to turn this into a calendar week?



One School Week

# Two Loops

Why does the bottom loop repeat twice?



One Week

# Nested Loop (a loop inside another loop)



One Half Term

# Nested Loop (a loop inside another loop)

What would you change if there was seven weeks in a half term?



One Half Term



# Nested Loop (a loop inside another loop)

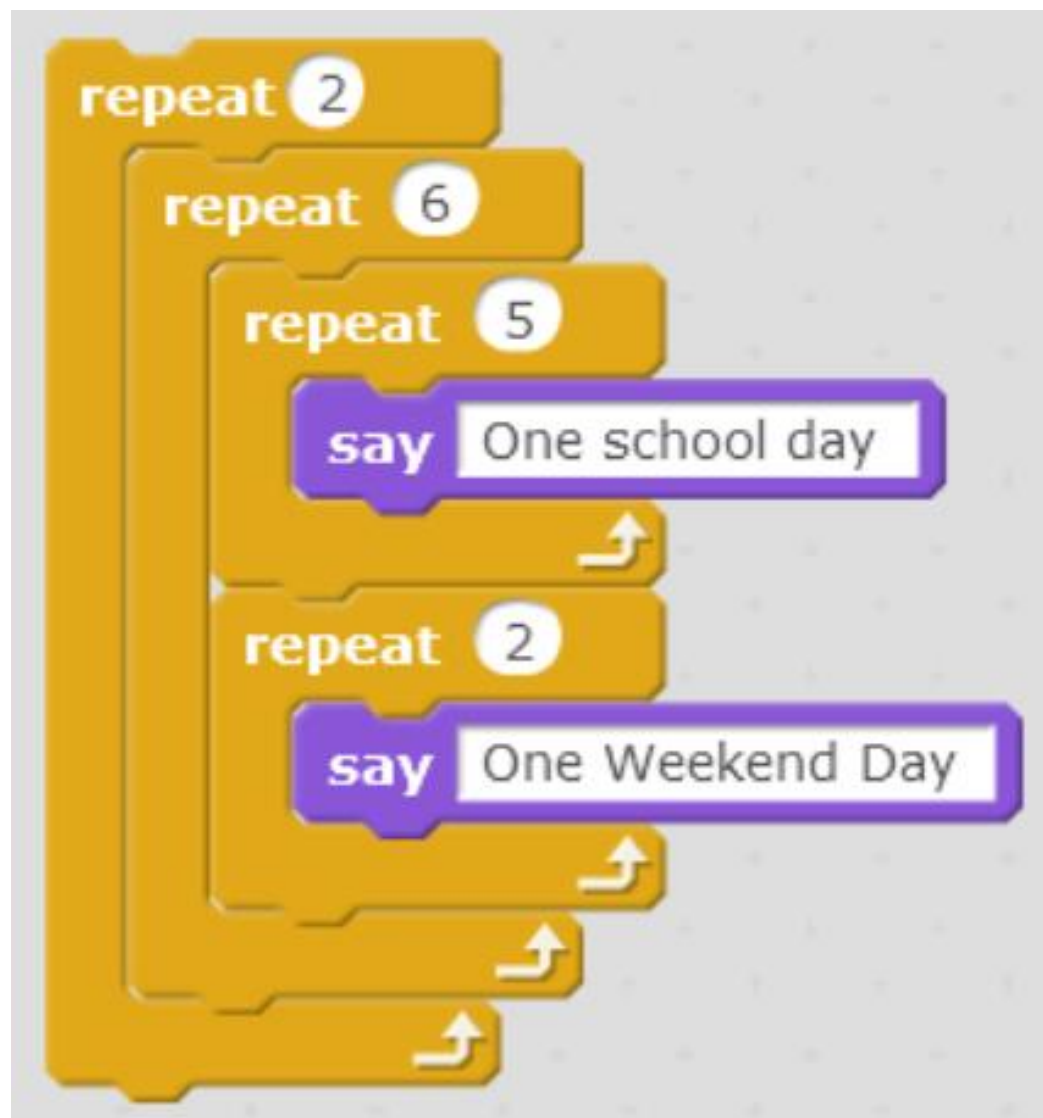
What would you change if there was seven weeks in a half term?



One Half Term

# Nested Loop (a loop inside another loop)

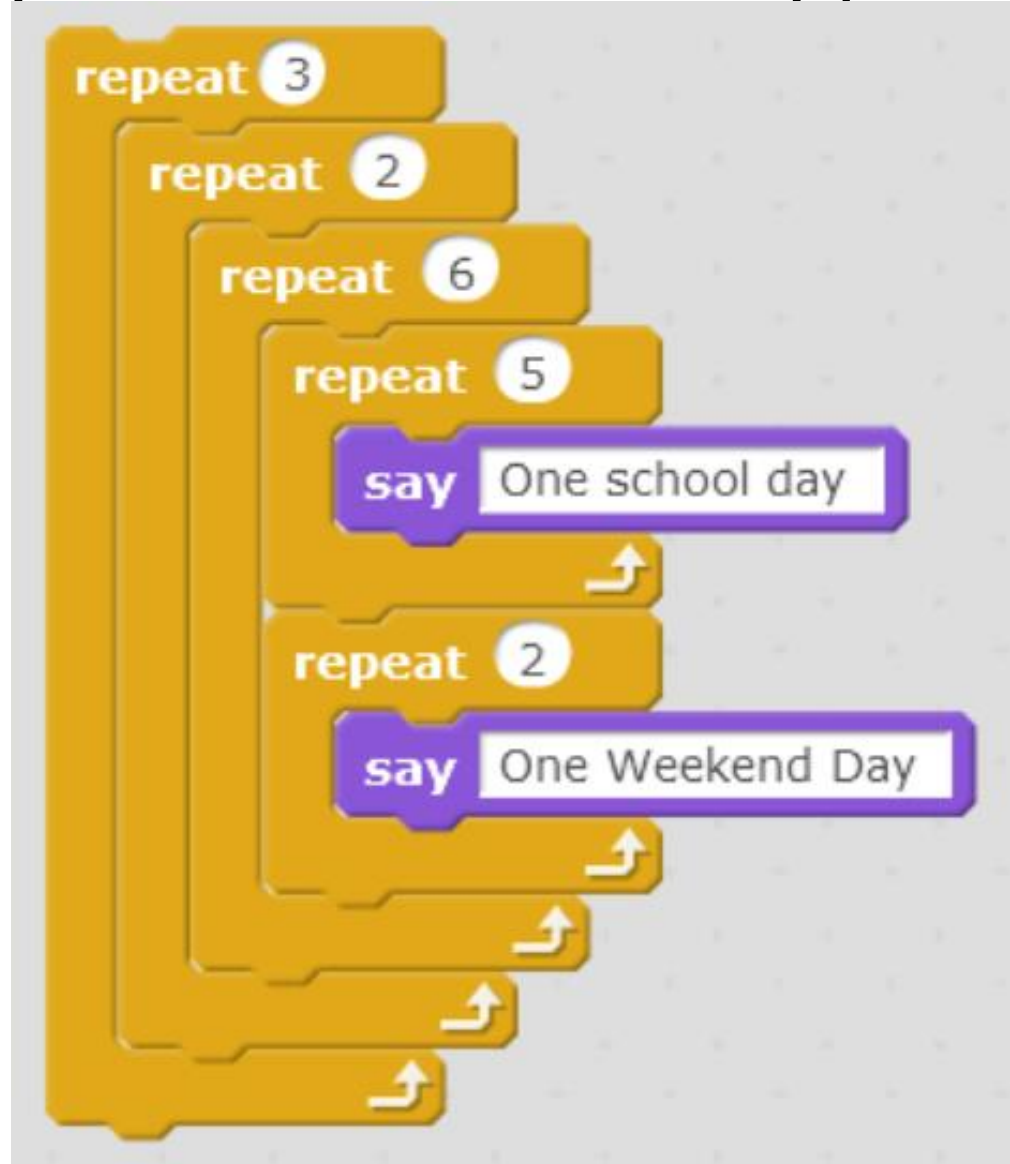
There are two  
half terms in a  
whole term



One Term

# Nested Loop (a loop inside another loop)

There are three terms in a school year



One School Year

7 blocks of code does the work of 365 blocks of code through the power of nested loops

```
say One school day
say One school day
say One school day
say One school day
say One Weekend Day
say One Weekend Day
say One school day
say One school day
say One school day
say One school day
say One school day
say One Weekend Day
say One Weekend Day
say One school day
say One school day
say One school day
say One school day
say One school day
say One school day
say One school day
```

```
repeat 3
  repeat 2
    repeat 6
      repeat 5
        say One school day
      repeat 2
        say One Weekend Day
```

Weeks  
Weeks  
Weeks

One School Year