

# Osmo Coding Jam

## “Paw Print”

**Created by:**  
Breakmaster Cylinder

**Difficulty:**  
Easy

**Teaches:**  
Loops  
Quantifiers  
Subroutines



### What You'll Need:



400

Chord Machine



x3



x3



x2



x1



x1



x1



x1



x1

### Characters Needed:





# Drums

1. Create your subroutines:



A light blue vertical panel containing a stack of four buttons: an orange hand icon with a left arrow, a blue walking icon with a left arrow, an orange hand icon with a right arrow, and a blue walking icon with a left arrow.

A light blue vertical panel containing a stack of four buttons: a blue walking icon with a down arrow, a blue walking icon with a left arrow, an orange hand icon with a right arrow, and a blue walking icon with a left arrow.

A light blue vertical panel containing a stack of three buttons: a grey loop icon with a right arrow and the number 3, a teal circle icon, and a teal square icon.

2. Create your drums:

A vertical stack of three drum buttons: a blue walking icon with a right arrow and the number 3, a purple button with 'Zzz', and a teal star icon with the number 2.



# Drums

1. Create your subroutines:

Three vertical light blue panels representing subroutines. The first panel has a teal header with a circle icon and contains four stacked blocks: three orange blocks with a hand icon and a directional arrow (down, up, down), and one red block with a running figure icon and a left arrow. The second panel has a teal header with a square icon and contains one teal block with a circle icon and a yellow '4' on its right side. The third panel has a teal header with a star icon and is empty.

2. Create your drums:

A vertical stack of three blocks representing a drum sequence. The top block is red with a running figure icon, a grey down arrow, and a yellow '3' on its right side. The middle block is purple with 'z' characters and a grey down arrow. The bottom block is teal with a square icon and a yellow '4' on its right side.



# Melody

1. Create your subroutines:

The first subroutine is defined by a teal block with a circle icon. Its body contains four red blocks with a person icon and arrows pointing right, left, down, and up respectively. The second subroutine is defined by a teal block with a square icon. Its body contains three blue blocks with a person icon and arrows pointing left, down, and down, followed by one red block with a person icon and a down arrow. The third subroutine is defined by a teal block with a star icon. Its body contains a grey loop block with a right arrow and the number 3, followed by a teal block with a circle icon, and a teal block with a square icon.

2. Create your melody:

The melody sequence consists of three stacked blocks. The top block is purple with 'Z<sup>zz</sup>' and a yellow tab with the number 3. The middle block is orange with a hand icon, a grey circle containing a down arrow, and a yellow tab with the number 3. The bottom block is teal with a star icon and a yellow tab with the number 2.



# Chords

(Create your own)

## 1. Create your subroutines



## 2. Create your chords:

