In this lesson, your Calliope mini becomes your guide in a really difficult question: what's for dinner today?

Shake the Calliope mini and you will get an answer to your question.

Tip: Ask each family member about his or her favourite food and write it down in a list - you'll need it later!











You need the following blocks and categories for this program:





Show text Displays a text on the screen.

Position sensor Returns "true" when the Calliope mini is shaken.

Infinite Loop Repeats the action indefinitely.

If/do condition If a condition is true, then execute

specific commands.



You need the following blocks and categories for this program:





Logic comparison Returns true if both inputs are equal.

Value The input value is a number.

Random value generator

Outputs a random number between 1 and 100.

Set item

Assign a value to this variable, for example 0.





Click on the plus next to "Start" to create a new variable.









Change the name of the variable from "item" to "Random" and attach the block repeat indefinitely to the red start block.

Control







3

Insert an if/do condition.



Control





4

Add the green block "get gesture" from the sensors category. Select "shaking" in the menu.



Sensors





5

Insert the set Random to block from the variables category into the "if/do" branch.



Variables





6

Assign a new value to your variable by appending the block random integer from 1 and 100.



Math







Change the range for the random value to "0 to 3". Your variable should only be able to contain four values.



Math

8

Insert another if/do condition below the "set Random to" block.

Control

9

Insert a comparison block "=" from the logic category.

Logic

10

In the first part of the code, the program selects a random number and stores it in the variable "Random". With the if/do condition you can assign dishes to the numbers. Set your variable "Random" to the left of the "=".

Variables

11

Place the number "0" from the math category to the right of the "=".

Math

12

By using the show text block you can now add the first dish to the menu and assign it to the number "0".

Action

13

Repeat the last three steps and match more dishes to the numbers. Change the number in the comparison block of the if/do condition.

+ start variable Random : Number 🗸 repeat indefinitely get shaking • do set Random v to do if + show text do + if show text • do R + if show text • do if + show text • do

Action

Logic

Math

Variables

