

Cost To Cook Case Study 1



How Cheap Is Using The Microwave VS Other Cooking Methods?

Below is a pricing grid to help everyone understand the cost of cooking. These figures are based on an average appliance found within UK households and the costs are accurate as of January 2023.

Appliance	Cost In Pence VS Minutes Used			
	10 Minutes	30 Minutes	60 Minutes	90 Minutes
Air Fryer Electric	11	33	66	99
Electric Hob	9	27	54	81
Microwave	5	15	30	45
Electric Oven	12	36	72	108
Slow Cooker	1	3	6	9
Electric Toaster	7	21	42	63
Gas Hob	1.5	4.5	9	13.5
Gas Oven	2.5	7.5	15	22.5

To work out how much it costs for other times the sum below will help;

$$(10 \text{ minute cost} / 10) \times \text{Number of minutes cooking time}$$

You have decided to make some chocolate brownies for your family. You have decided to see which appliance has the lowest Cost to Cook. The ingredients needed to make the brownies are butter, sugar, vanilla extract, cocoa powder, eggs, flour, and chocolate chips. These ingredients are the same for all cooking appliances.

In the Microwave you need to melt the butter for 1 minute and the cooking time is 5 minutes.

Cost to Cook in a Microwave is _____

In the Air Fryer you need to preheat it for 5 minutes and the baking time is another 15 minutes.

Cost to Cook in an Air Fryer is _____

In the Electric Oven you need to preheat the oven for 15 minutes and the baking time is another 30 minutes.

Cost to Cook in an Electric Oven is _____

In a Gas Oven you need to preheat the oven for 15 minutes and the baking time is another 30 minutes.

Cost to Cook in a Gas Oven is _____

The lowest Cost to Cook is _____ The highest Cost to Cook is _____