

Cost To Cook Case Study 3



How Cheap Is Using The Air Fryer 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 doughnuts as a nice, sweet treat. You are going to make 6 so that you can share them with others but how much will it Cost to Cook? You are going to use an Air Fryer because you like the fast pace and want to give this new appliance a test. The ingredients for your doughnuts would be the same for any appliance, they are milk, yeast, caster sugar, plain flour, eggs, and butter but which appliance is the cheapest to use?

In the Air Fryer you need to pre-heat the fryer for 3 minutes and the cooking time would be an additional 15 minutes.

Cost to Cook in an Air Fryer is 19.8 Pence

On an Electric Hob the oil to cook the doughnuts takes 10 minutes to get hot and a further cooking time to fry the doughnuts is 6 minutes.

Cost to Cook on an Electric Hob is 14.4 Pence

On a Gas Hob the oil would also take 10 minutes to get hot and the doughnuts would then need to be fried for 6 minutes.

Cost to Cook on a Gas Hob is 2.4 Pence

The lowest Cost to Cook is Gas Hob The highest Cost to Cook is Air Fryer