

Mrs Green is having a party. What is the cheapest it could cost altogether?

CLUE ONE: There will be ten guests (including herself).

CLUE TWO: The party will last four hours.

CLUE THREE: She wants to hire the cheapest place to hold the party. Lowercroft School is charging £50 per hour. Dolce is charging £150 in total. The town hall is charging £5 per person, per hour.

CLUE FOUR: Mrs Green has a shopping list. She has asked Mr Green to get everything for the cheapest price. See the price list to work out the cheapest prices. Mr Green is happy to go to lots of different shops. There needs to be enough for all guests but he mustn't buy more than he needs unless he has to.

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Shopping list

Crisps

Pop

Balloons

Party Poppers

Paper plates

Sausage rolls

Chicken

Mixed vegetables

CLUE FIVE: Mr Green has bought Mrs Green a party outfit for £15.

CLUE SIX: Mr Green has bought Mrs Green a cake for £10.

CLUE SEVEN: The string quartet that Mr Green has booked costs £20 per hour.

CLUE EIGHT: Mr Green will need to pay for a taxi for Mrs Green's mum to get there and back. The taxi will cost £10 each way.

Price List

Item	Tesco	Asda	Aldi
Crisps	10p per bag	90p for a pack of 6 bags	50p for a pack of 10 bags.
Pop	£1	50p	£1
Balloons	10p per balloon	10p per balloon	5p per balloon
Party Poppers	90p per pack of 10	100 for £10	DO NOT SELL
Paper plates	Pack of 30 for £2	Pack of 20 for 80p	Pack of 100 for £3.50
Sausage rolls	20 for £1	20 for £1	Was 20 for £1, but now half price.
Chicken	£2.50	£2.90	£2
Mixed vegetables	30p	50p	£1

Greater Depth Question: If the party now lasted for five hours instead of four and there were double the number of guests, how much would the party cost now?