Buying gold at several price levels

If I split my buying over several prices, what will my average cost be?

1 Use it in 4 steps

1. Type the fee per gram, the VAT on it and today's selling price.
2. One line per level: a name, the price you would buy at, and how many grams.
3. The sheet works out the cost, the running totals and the average cost up to each level.
4. The levels are a scenario you set, not a forecast. Delete the "Example" rows before you start.

2 The calculation

1. Cost of a level = grams × (price at the level + fee × (1 + VAT)).
2. Average cost up to a level = cost so far ÷ grams so far.
3. You type the levels and their prices: a scenario for the arithmetic, not a forecast of the price.

3 Worked example Example

Fee per gram (example): 90.00 · VAT on the fee (example 14%): 14% · Today's selling price per gram (example): 7,032.37

Level	Price at this level	Grams	Cost	Grams so far	Average cost per gram
Example: today	7,032.37	5.000	35,674.85	5.000	7,134.97
Example: if it falls 3%	6,821.40	5.000	34,620.00	10.000	7,029.49
Example: if it falls 6%	6,610.43	10.000	67,130.30	20.000	6,871.26

Result	Value
Total grams	20.000
Total cost	137,425.15
Average cost per gram	**6,871.26**

4 The table: fill it in by hand

Level	Price at this level	Grams	Cost	Average cost per gram

Prices and calculations are for information only. They are not financial advice, an offer to buy or sell, or a religious ruling. Check tax matters with your accountant.

Scan for the sheet's page