What a piece costs the workshop

What does this piece cost the workshop, and what is the real cost of the work per gram?

1 Use it in 4 steps

1. Type the cost of a gram of gold for each karat and your workshop's labor rate per hour.
2. One line per piece: the karat, the weight, the estimated loss % and the hours of work.
3. Add the cost of stones or anything else.
4. Read the total cost and the work cost per gram. Delete the "Example" rows before you start.

2 The calculation

1. Gold = weight × cost per gram of the karat. Loss = gold × the loss % you estimate.
2. Labor = hours of work × hourly rate.
3. Total = gold + loss + labor + stones + other costs. Work cost per gram = (total − gold) ÷ weight.

3 Worked example Example

Gold cost, 1 g of 24K (example): 7,009.37 · Gold cost, 1 g of 21K (example): 6,160.25 · Gold cost, 1 g of 18K (example): 5,259.00 · Labor rate per hour (example): 120.00

Piece	Karat	Weight (g)	Gold	Cost of the loss	Labor	Total cost	Work cost per gram (without the gold)
Example: openwork bracelet	21	18.000	110,884.50	3,326.54	720.00	114,981.04	227.59
Example: ring with a stone	18	5.000	26,295.00	1,051.80	360.00	28,606.80	462.36
Example: plain chain	21	12.000	73,923.00	1,108.85	180.00	75,211.85	107.40

Result	Value
Total cost	218,799.68
Total weight (g)	35.000
Total cost of work and loss	**7,697.18**

4 The table: fill it in by hand

Piece	Karat	Weight (g)	Loss % (your estimate)	Hours of work	Stones (EGP)	Total cost	Work cost per gram (without the gold)

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