Casting batch: gold in, gold out and the loss

How much gold did this casting batch lose, and is it within the allowance?

1 Use it in 4 steps

1. One line per batch: its number, the karat and the gold that went into the casting.
2. After casting, type the weight of the pieces and of the sprues and tree returned.
3. Type the loss percentage your workshop allows.
4. The sheet works out the loss and compares it with the allowance. Delete the "Example" rows before you start.

2 The calculation

1. Loss = gold in − weight of the pieces − sprues and tree returned.
2. Loss % = loss ÷ gold in. Allowance = gold in × the allowance % you type.
3. Average loss = total loss ÷ total gold in.

3 Worked example Example

Batch	Karat	Gold in (g)	Pieces out (g)	Sprues and tree returned (g)	Loss (g)	Loss %	Status
Example: C-01	21	500.000	318.400	179.100	2.500	0.50%	Within allowance
Example: C-02	18	300.000	201.200	96.900	1.900	0.63%	Above allowance
Example: C-03	21	450.000	290.000	157.600	2.400	0.53%	Within allowance

Result	Value
Total gold in	1,250.000
Total loss	6.800
Average loss %	0.54%
Above allowance (g)	**0.100**

4 The table: fill it in by hand

Batch	Karat	Gold in (g)	Pieces out (g)	Sprues and tree returned (g)	Loss (g)	Loss %

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.

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