

## Reducing the Karat of Gold

Example: 20 dwts of 22K to 10K

20 dwts x 1.201 = 24.02 dwts of alloy

### Reducing Factors

<b>Karat on Hand</b>	<b>Karat Wanted</b>	<b>Factor for Alloy</b>
24K	18K	.333
24K	14K	.714
24K	10K	1.400
22K	18K	.221
22K	14K	.571
22K	10K	1.201
18K	14K	.286
18K	10K	.800
18K	10K	.400

*(If unable to use the chart above)*

Subtract the desired karat from the present karat, multiply by weight of on hand to reduce, divide by the karat desired. This equals the weight of alloy to use.

Example: 50 dwts of 22K down to 14K

$(22-14)K \times 50 \text{ dwts} / 14K = 25.57 \text{ dwts of alloy.}$