

Data Tables

Density of Copper Pennies			
	Volume	Mass (g)	Density (gr/cm ³)
Copper penny/before 1982			
Copper penny/after 1982			

Abrasive Qualities of Pennies		
	Copper penny/before 1982	Copper penny/after 1982
Shiny silvery material beneath surface/ yes or no		

Chemical Reaction of Pennies in HCl		
	Copper penny/before 1982	Copper penny/after 1982
Observed chemical reaction/ yes or no		

Extension Activity

Cost of Producing Pennies				
	% Copper	Cost/Cu	Cost/Zn	Cost of 1,000,000 pennies
Copper penny/before 1982				
Copper penny/after 1982				

Table of Densities

Substance	Density g/cm³
Solids	
Aluminum	2.7
Copper	8.93
Tin	7.29
Brass	8.44
Zinc	7.14
Magnesium	1.75
Iron	7.86
Lead	11.3
Gold	19.3
Uranium	18.7
Wood	0.35-0.9
Concrete	2.7
Ice	2.7
Bone	1.7-2.0
Diamond	3.51
Cork	0.22-0.26
Steel	7.8
Glass	2.5