

Tuesday 8:30 Lab

Density Measured by Ruler

Block	length (cm)	width (cm)	height (cm)	mass (g)	volume (cm ³)	Δ volume (cm ³)
20	4.00	1.12	1.01	45.823	4.52	0.06
19	3.79	1.25	1.25	54.405	5.92	0.07
17	4.51	0.89	0.71	28.037	2.85	0.05
25	5.33	0.90	0.59	26.809	2.83	0.06
13	3.46	1.24	0.99	37.972	4.25	0.06
24	5.50	1.23	0.91	57.950	6.19	0.09
26	3.91	0.89	0.79	25.242	2.70	0.05
1	3.79	0.91	1.01	32.517	3.50	0.05
16	4.83	1.00	0.79	34.324	3.82	0.06
21	5.13	0.64	0.60	19.619	1.97	0.05
18	3.60	0.91	0.65	21.025	2.10	0.04
28	4.42	1.20	1.14	58.734	6.05	0.07

Density Measured by Water Displacement

Block	mass (g)	volume (cm ³)	density (g/cm ³)	Δ density (g/cm ³)
20	45.823	5.10	9.0	0.2
19	54.405	5.90	9.2	0.2
17	28.037	3.70	9.8	0.2
25	26.809	3.00	9.5	0.2
13	37.972	4.50	8.4	0.2
24	57.950	6.60	8.8	0.1
26	25.242	2.70	8.7	0.3
1	32.517	3.50	9.3	0.3
16	34.324	3.00	9.0	0.1
21	19.619	2.20	8.9	0.4
18	21.025	2.40	8.8	0.4
28	58.734	6.80	9.7	0.1