

NEEDED MATH

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Factors and Mean Ratings of Needed Math Subgroups					
Factor	Item	Technical Educator (1)	Math Educator (2)	Technician (3)	Post-Hoc Tests
Algebra	Use	2.96	3.22	3.04	<i>ns</i>
	Prep	2.67	2.93	2.72	<i>ns</i>
Arithmetic	Use	3.26	3.81	3.55	(2>1), (2>3)
	Prep	2.89	3.05	2.85	<i>ns</i>
Geometry	Use	3.43	3.87	3.35	(2>1), (2>3)
	Prep	2.82	2.75	2.63	<i>ns</i>
Measurement	Use	4.49	4.55	4.31	(3<2), (3<1)
	Prep	3.13	2.92	2.79	(3<1)
Modeling	Use	3.26	3.63	3.23	<i>ns</i>
	Prep	2.46	2.30	2.42	<i>ns</i>
Statistics	Use	3.69	3.89	3.49	(3<2)
	Prep	2.75	2.61	2.55	<i>ns</i>
Technology	Use	3.40	3.86	3.05	(2>1), (2>3), (1>3)
	Prep	2.69	2.45	2.41	(3<1)

Note: Post-hoc tests column highlights significant differences among subgroups as assessed using Tukey's HSD pairwise comparisons; rows containing *ns* indicate no significant differences were found among subgroups using analysis of variance (ANOVA) tests; integers (e.g., 1, 2, 3) represent subgroup roles listed above and < and > symbols highlight the direction of significant differences between subgroups on relative mean ratings. For example for **measurement use**, technicians show significant differences from math educators and show significant differences from technical educators as well.

FOR FURTHER INFORMATION

See WWW.NEEDMATH.ORG

Or contact us: NEEDMATH@gmail.com