

Results of CMU Fractions Tutor Study

Carnegie Mellon University

██████████ School District, ██████████ Elementary,
4th Grade, ██████████

Thank you for participating in this Carnegie Mellon University's study!

About the Study

This study focused on helping 4th and 5th grade students learn fractions using CMU's adaptive fractions tutor for four days.

Overall Results

The data collected from all the schools in the study show students learning while using the adaptive fractions tutor. Students in 4th grade improved their test scores from an average of 31% to an average of 41%. Students in 5th grade improved their test scores from an average of 41% to an average of 49%.

The area with the most learning was the ability to make fractions by drawing an illustration of a fraction given in numbers (growing from an average score of 37% to 67%). Close behind in terms of learning was the ability to name fractions by writing the numbers of a fraction given only in illustration.

If you have any questions about this study or are interested in participating in CMU classroom studies in the future, please contact us any time.

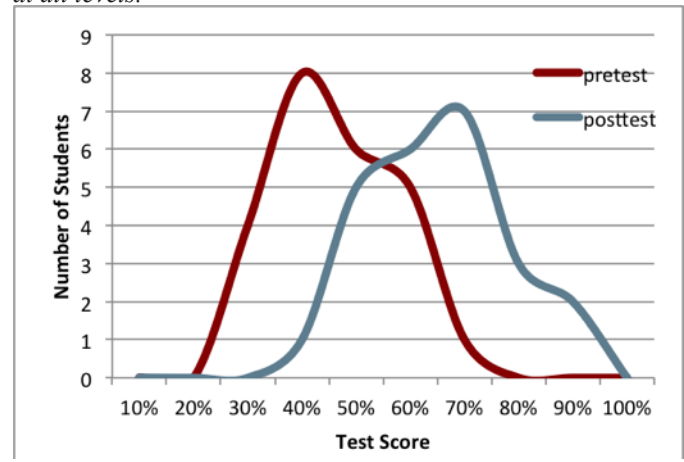
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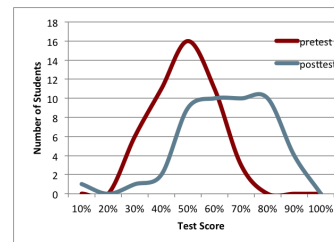
Your Classroom's Results

Students in your class improved from an average score of 41% to an average score of 61%.

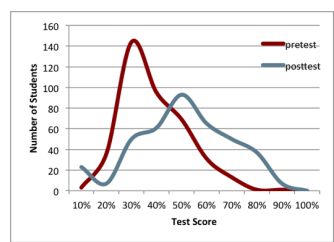
These charts show how many students achieved each percentage score, the red line for the pre-test, the blue line for post-test. The blue line shifting to the right of the red line means students learned. Average scores increased for students at all levels.



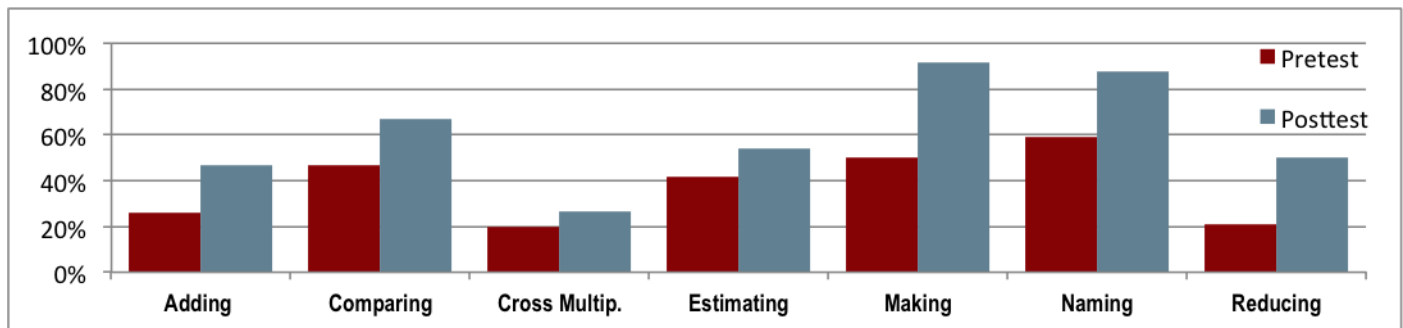
Your Grade's Learning



Your District's Learning



A Closer Look at Your Classroom's Results



Area of Growth

Making fractions by drawing an illustration of a fraction given in numbers

Area of Strength

Naming fractions by writing the numbers of a fraction from a given illustration

Area of Challenge

Multiplying fractions with the cross-multiplication method