



The Mathematics Coaching Program

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MCP Principal Links

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Administrator SharePoint Web-site

MCP utilizes Microsoft SharePoint as a management tool for communication and data collection. There is a site specifically designed for administrators which can be accessed at <http://collaborate.csnp.ohio-state.edu/sites/mcpadmins>. If you are new to MCP and have not used our SharePoint site before, you will need a username and password to log in. Please contact mcp_coaching@osu.edu for technical support.

Make up PD Dates

As you all may know, we have canceled the professional development session for the month of March due to inclement weather. We will be making up these days in April. The dates have been set for April 22-23.

MCP in the News

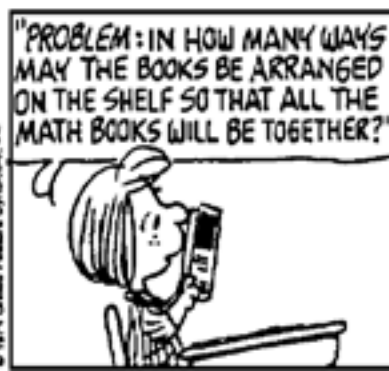
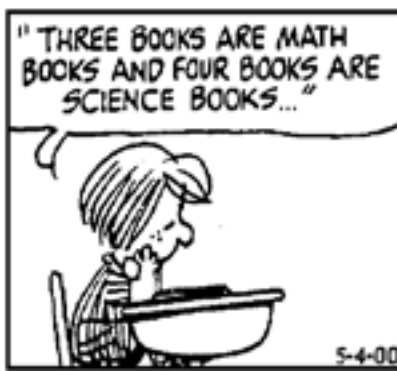
Recently, we heard wonderful news about MCP -Appalachia to see IN PRINT. The Athens Messenger staff journalist, Agnes Hapka, titled her article *Math coaching program empowers students, improves test scores*. It highlights the program as well as the great successes by the Federal Hocking School District Mathematics Coaches! A big congratulations to Jen Thompson, Julie Randolph, and Laurie Torrence for their great work they do for students and teachers in their schools and district! Check out the full article at: go.osu.edu/Athen-sArticle

We must view young people not as empty bottles to be filled, but as candles to be lit.
- Robert H. Shaffer

Please visit us at <http://mcp-coaching.osu.edu/> for more information!

Principal's Meeting Notes

A former teacher, turned administrator, related his experiences at the most recent principal's meeting with a 4th grade math classroom. He described how the teacher handled students who arrived at an incorrect answer, but encouraged to think for themselves. In his own words, "I saw how bad a math teacher I was!" He noted how focused and engaged all the students were. His coach is positively affecting 70 kids.





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PROBLEM OF THE MONTH

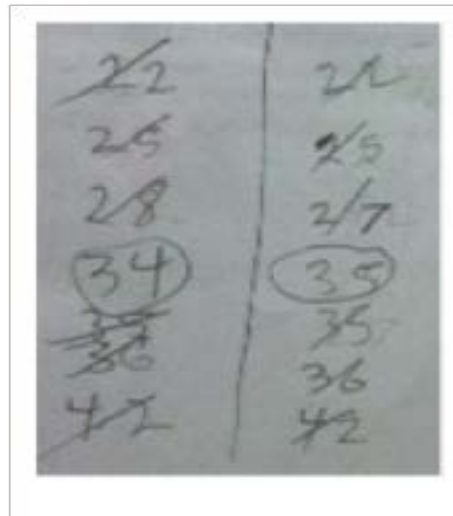
Ask yourself *how you would solve the problem and how you think the students would solve this problem?* Then consider the data at the bottom of the page about how a sample of students solved the problem.

This data analysis and probability problem was given to 5th graders as a post-test and 6th graders as a pre-test

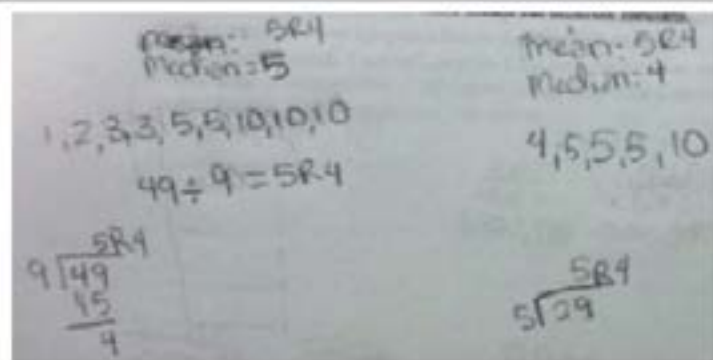
Generate two sets of data with the same means but different medians.
Generate two sets of data with the same means but different modes.

5th and 6th Grade Student Results

Score	Criterion	5th grade post	6th grade pre
0	Wrong definitions of means, medians, and modes; or no data set	123	41
1	At least one set correct	54	13
2	Both sets correct	48	16
NA	No answer.	10	7
Average		0.6667	0.64286



Some students made minor changes to their original data set (increase a value by one and decrease a different value by one, for example) to keep the mean of the two sets the same but change the median. Like this student, some students do not write their final answers for the mean and the median.



For the median, students begin with one set, then just rearrange the values to create the second set, thinking it changes the median.



REAL STUDENT WORK!

Some students regarded equated dividends with a remainder as equal, even when the number of data values was different.

