

**126CRS44BB, Policy 2520.2B, West Virginia College- and Career-Readiness Standards for Mathematics
COMMENT LOG**

13 distinct commenters provided a total of 34 comments.

- Central Office Staff: 8
- Higher Education: 2
- Professional Support: 3
- Teacher: 21

Action

A/S Comment was accepted and supports the proposed policy.

A/C Comment was accepted and resulted in changes to the proposed policy.

N Comment was not accepted.

DATE	COMMENTER	COMMENTS	ACTION	RATIONALE
Appendix B, High School Algebra I for 8th Grade or High School Mathematics I for 8th Grade				
2023-05-12 13:00:18	Kristen Oxley K12 Math Curriculum Specialist Kanawha County Schools Charleston WV	Do the standards have to be integrated into grade 7, or can we do a modified Algebra I 8th grade like the ones that were in this original document?	N	The utilization of Algebra I for 8 th Grade would be developed in the county plan as per Appendix B in WVBE Policy 2520.2B.
Explanation of Terms				
2023-05-12 12:47:09	Krista Nazelrod Math Instructional Coach Preston County Schools Kingwood WV	When developing RCD units, we have discovered that the level of verbs are incorrect for the skill level.	N	The standards are written in a progression of learning, and the verbs coincide with the rigor and cognitive demand appropriate to the grade level.
2023-05-12 13:00:18	Kristen Oxley K12 Math Curriculum Specialist Kanawha County Schools Charleston WV	Why did you put lines through Math I and Math II if they will still be offered?	N	Utilization of Math I and Math II is a county level decision. The arrangement of standards for Math I and Math II is in Appendix A of WVBE Policy 2520.2B.

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		get further behind. Also, I don't understand why every child has to complete the upper math classes. Not every child is able to do this successfully. We need more basic math, fractions, etc. that they will use in life. Once they leave 8th grade, very few of them will use the math they have to take in high school unless they are going into a math/science field such as engineering, architecture, etc. We need them to take basic finance courses, learn checkbook, interest rates on homes, cars, college loans, etc. Just my thoughts.	N	successful in future education, employment, and enlistment endeavors. Newly required personal finance course for all high school students will address financial literacy.
2023-05-12 13:00:18	Kristen Oxley K12 Math Curriculum Specialist Kanawha County Schools Charleston WV	I like the Mathematical Habits of Mind continuing to play an important role in mathematics.	A/S	
Mathematics Grade 1				
2023-04-19 09:26:13	Lindsay Hudgins Mrs. RCBOE Beckley WV	I think it's great that the standards have been added for K and 1 students to begin working with coins.	A/S	
2023-04-19 14:32:55	Dottie Pownall Instructional coach Berkeley County Schools Martinsburg WV	M.1.10 Can we add Count FORWARDS AND BACKWARDS in the range of 120, starting at any number less than 120? Can we also skip count forwards and backwards to 120 by 2s, 5s, and 10s beginning at various numbers (not just numbers ending in 0) ?	A/C	An additional example was included in M.1.5 to address this concern.
2023-04-20 15:50:33	Amelia Halstead Teacher Taylor County Schools Flemington WV	Place Value: I worry about the wording of M.1.11 as it places full emphasis on just identifying the number of tens and ones in numbers. As we build true number sense, we need to be careful with wording that only focuses on the number of tens	N	This is a curricular and instructional strategy utilized by the educator.

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		and ones. Students need to remain flexible with their thinking. For example: 19 may be made with 1 ten and 9 ones but teachers need to emphasize the importance of it also being 19 ones.		
2023-05-09 10:40:52	Melanie Meck Academic Coach Hampshire County Schools Slanesville WV	Putting patterns and money back into K-1 standards is a good decision.	A/S	
2023-05-15 15:56:23	Stephanie Jones Associate Professor of Mathematics Fairmont State University Fairmont WV	M.1.7 and M.1.24 are the same. It seems like the standard fits better under the cluster Reason with Shapes and their Attributes. I suggest deleting M.1.7.	A/C	M.1.7 and M.1.24 are duplicate standards. M.1.7 has been stricken and the standards have been renumbered.
Mathematics Grade 2				
2023-04-19 09:26:13	Lindsay Hudgins Mrs. RCBOE Beckley WV	It had always been difficult to teach students in second grade to solve word problems using money because we always had to spend extra time identifying the coins and being able to count the coins. This will benefit the students because they will have some background knowledge of coins before second grade.	A/S	
2023-04-19 14:32:55	Dottie Pownall Instructional coach Berkeley County Schools Martinsburg WV	M 2.7 Can we change it to Count FORWARDS and BACKWARDS within 1000, and skip count by 5s, 10, and 100s (starting on and off the decuple...for example starting at 24, skip count by 10s...)	N	This concern was addressed in a standard in 1 st grade, which provides educators options to continue counting forwards and backwards in grade 2.
2023-04-20 15:50:33	Amelia Halstead Teacher Taylor County Schools Flemington WV	Place Value: I worry about the wording M.2.6 as it places a lot of emphasis on just identifying making numbers based on place value locations number developing true understanding of place value (243 is not just 2 hundreds 4 tens and 3 ones. It is also	N	This is a curricular and instructional strategy utilized by the educator.

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		243 ones, 24 tens + 3 ones, and so on) This flexibility with building numbers in extremely important as they move into multiplying and dividing through place value in grade 3-5.		
2023-05-09 10:40:52	Melanie Meck Academic Coach Hampshire County Schools Slanesville WV	Concern: Operations and Algebraic Thinking Cluster- - It says "involving four operations". Second graders do not use all 4 operations. That starts in 3rd grade. Second grades adds and subtracts and then begins working with groups and arrays to lay the foundation for multiplication. See standard 2.5. They are writing a repeated addition sentence, not a multiplication sentence. Therefore, the wording of this should be involving addition or subtraction rather than "four operations".	A/C	"...the four operations..." has been stricken from the cluster for standards M.2.2 and M.2.3, which appeared in two locations, and is replaced with "...addition and subtraction..."
2023-05-15 15:56:23	Stephanie Jones Associate Professor of Mathematics Fairmont State University Fairmont WV	M.2.2 ends with "using various strategies." Could a few examples be given? M.2.3: I'm thinking this means something like: Q: 3, 5, 7, 9, 11... What's the rule? A: Add 2. Is this what's intended?	N	This is a curricular and instructional strategy utilized by the educator.
Mathematics Grade 3				
2023-05-12 13:00:18	Kristen Oxley K12 Math Curriculum Specialist Kanawha County Schools Charleston WV	I don't like the fact that knowing facts from MEMORY was taken out. I know understanding is important, but I also feel automaticity is crucial for so many aspects of math in middle/higher grades and beyond.	N	The word fluently replaced the word memory.
Mathematics Grade 4				
2023-05-09 10:40:52	Melanie Meck Academic Coach Hampshire County	In many cases, fourth grade isn't ready for multiplying a 2 digit number by a 2 digit number. Having that standard in fifth allowed them to	A/S	

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	Schools Slanesville WV	<p>master the skill of multiplying a multidigit number by a one digit number.</p> <p>I was pleased that you added "and/or partial products" to standards 4:10 and 4:11. We still have teachers (textbooks) jumping to the standard algorithm before students have mastered the understanding of the skills. The standard algorithm is a procedure that doesn't conserve place value and leads to confusion of students and them not being able to discern reasonableness of their answers. So, thank you.</p>		
Mathematics Grade 5				
2023-04-24 13:10:45	Amy Gray 5th Grade Teacher Greenbrier County Schools Lewisburg WV	<p>I would like the committee to revisit Standard M.5.7</p> <p>Use place value understanding to round multi-digit numbers including decimals to any place. Students in 5th Grade learn to read, write and compare decimals to thousandths place. These students should not be expected to round decimals past the thousandths place if they are not learning that place value. If they do not learn to read, write, or compare to that place value, how can they round any place value (i.e.. ten thousandths place)? Please limit the rounding to place values covered under other 5th grade standards.</p>	N	This is a curricular decision determined by the educator.
2023-05-09 10:40:52	Melanie Meck Academic Coach Hampshire County Schools Slanesville WV	See same comment in Grade 4.	A/S	
2023-05-12 12:47:09	Krista Nazelrod Math Instructional Coach	<p>5.13 Interpret needs changed to understand</p> <p>5.15 Interpret needs changed to use.</p>	N	The verb "interpret" is used to guide the educator and serves as a precursor to

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	Preston County Schools Kingwood WV			understand and use multiplication and division of fractions.
Mathematics Grade 7				
2023-04-18 14:19:39	Amy Lambert Teacher Elkins Middle School Elkins WV	Number Systems needs to be taught before Ratios and Proportions. Our students are coming to us with a huge gap in the basic number system. We could use this as just in time teaching.	N	Local level curriculum decision to determine the pacing guide and sequencing of standards.
Mathematics High School Algebra I				
2023-05-12 13:00:18	Kristen Oxley K12 Math Curriculum Specialist Kanawha County Schools Charleston WV	I liked the instructional notes in most cases that were taken out. Many times that is the first things teachers look at to make sense of the verbage of the standard. Going from 60 standards to 37 is quite a modification.	A/S	
Mathematics High School Trigonometry/Pre-calculus - Mathematics IV				
2023-04-19 21:33:08	Jo Frost Math Teacher Woodrow Wilson High School Beckley WV	On page 166, you mention including Modeling with Probability, but in the following page on the sequence of standards, no Probability Standards are listed. Nor are there probability standards contained within the standards listed for the course on a deeper reading.	A/C	This portion of WVBE Policy 2520.2B should have been stricken and has been revised.
Mathematics Kindergarten				
2023-04-19 09:26:13	Lindsay Hudgins Mrs. RCBOE Beckley WV	I think its great that the standards have been added for K and 1 students to begin working with coins.	A/S	
2023-04-19 14:32:55	Dottie Pownall Instructional coach Berkeley County	M.K.2 Count Forward beginning from a given number within the known sequence, instead of having to begin at 1. ** Counting backwards is a skill that is imperative in	N	This is a curricular decision determined by the educator.

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	Schools Martinsburg WV	building early numeracy skills and understanding. May I suggest we add the words " Count forward and BACKWORDS from a given number..... And identify the number words before and after in a sequence?		
2023- 04-20 15:50:33	Amelia Halstead Teacher Taylor County Schools Flemington WV	love the clarification of what fluent means (efficient, flexible, accurate) - All three areas are missed by so many, and FLEXIBILITY is incredibly important in developing true number sense. Happy to see money/patterning incorporated back into the standards before 2nd grade	A/S A/S	
2023- 04-21 09:36:28	Kara Jaggie Teacher Monongalia County Schools Morgantown WV	You need to consider adding a standard for money back into Kindergarten, coin identification would be valuable.	N	Coin identification is in standard M.K.18.
2023- 05-09 10:40:52	Melanie Meck Academic Coach Hampshire County Schools Slanesville WV	Putting patterns and money back into K-1 standards is a good decision.	A/S	
Mathematics Statistics				
2023- 04-19 09:35:18	Sherry Hartman Teacher Morgan BSHS Berkeley Springs MD	In terms of knowledge of basic statistical ideas (hypothesis testing, F statistics, significance level), ANOVA doesn't add any value. Those who have mastered these basic ideas, will not have problems learning ANOVA at their workplace if they have to. There is no need to burden everybody with this stuff "just in case". ANOVA is no longer part of the AP Statistics requirements	A/C	ANOVA should have been stricken and has been revised.

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Mathematics Technical Transition Mathematics for Seniors				
2023-04-18 08:46:52	Sara Hampton Teacher Carver Career Center Charleston WV	Is the Technical Transition Mathematics course available for Juniors and Seniors? On this comment document, it includes "for Seniors," but it does not include those words on the actual policy.	A/C	The new Technical Transition Mathematics can be utilized for students in grades 9-12. The "...for Seniors (fourth course option only)" after Technical Transition Mathematics has been stricken from the course. However, counties may continue to utilize the old Technical Transition Mathematics for Seniors (fourth course option only) course, which will be removed after the 2023-24 school year.
THIRD AND FOURTH COURSE OPTIONS				
2023-05-12 13:00:18	Kristen Oxley K12 Math Curriculum Specialist Kanawha County Schools Charleston WV	Will there be books for the adoption for Quantitative Reasoning and Statistics?	N	Call for instructional materials will go out in the fall 2023.