

Missouri

Reading	Equivalent NAEP grades tested by state in 2005	Skills assessed	AYP standard	Performance standards development	Year standard adopted	Substantive changes to test since 2002-03
	None	Communication arts	Proficient	Stakeholder committee generates standards	1996	None
State standards	Through the Missouri Assessment Program (MAP), the state administered exams in grades 3, 7, and 11 in communication arts (which includes reading) and grades 4, 8, and 10 in mathematics. Missouri used five achievement levels for reporting purposes: step one, progressing, nearing proficiency, proficient, and advanced. The state target was for all students to score at the proficient or advanced levels.					
State performance standard for AYP	Grades 4 and 8 not tested.					

Missouri

Reading

Grade	2005 NAEP scale equivalent				2005 NAEP exclusion rates			
	NAEP equivalent at the state standard for AYP	Standard error	Relative error ¹	Correlation between NAEP and state results		English language learners (ELL)	Students with disabilities	Students who are both ELL and with disabilities
				Unadjusted	Adjusted ²			
4	Missouri did not test grade 4 in 2005				0.6	6.6	0.6	
8	Missouri did not test grade 8 in 2005				0.1	7.7	0.2	

- 1 Relative error provides a measure of how well the state's standard for AYP maps to the NAEP scale. Values of 1.5 or higher indicate poor mapping of school-level results and comparisons between NAEP and state assessments should be made with caution.
- 2 Estimate of what the correlation between NAEP and state assessment school-level percentages meeting primary state standards would have been if it were based on a standard set at the student population median and with no school samples having fewer than 30 students.

State accommodations not allowed on NAEP	Reading questions aloud, visual cues, amplification equipment, tape recorder, communication device, multiple sessions, taking the test at a time beneficial to the student, carrel, minimizing distractions, and taking the test over multiple days (dates for taking the MAP must occur within the MAP testing window).
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Missouri

Mathematics	Equivalent NAEP grades tested by state in 2005	Skills assessed	AYP standard	Performance standards development	Year standard adopted	Substantive changes to test since 2002-03
	4 and 8	Numbers and operations, measurement, geometry, and data analysis and probability	Proficient	Educator committee generates standards	1996	None
State standards	Through the Missouri Assessment Program (MAP), the state administered exams in grades 3, 7, and 11 in communication arts (which includes reading) and grades 4, 8, and 10 in mathematics. Missouri used five achievement levels for reporting purposes: step one, progressing, nearing proficiency, proficient, and advanced. The state target was for all students to score at the proficient or advanced levels.					
State performance standard for AYP	<p>Grade 4. Students propose and justify conclusions based on data; compare parts of a whole as a fraction and justify the answer; identify place value (up to 6-digit whole numbers); read and interpret data on a line plot; add/subtract money values up to \$10.00; describe movement on a grid using common language (e.g., north, south, east, west, right, left, up, down); recognize equivalent representations for the same number by decomposing and composing whole numbers, using multiple operations; identify or write a number sentence for a mathematical situation; analyze, interpret and explain data in a multi-step problem; find the value of combinations of quarters, nickels, dimes, and pennies; identify lines of symmetry; subtract money involving dollars and cents; describe the results of transforming shapes; write a number sentence to represent a mathematical situation; identify a three-dimensional shape given its attributes; describe and analyze data in a multi-step problem; measure and compare using standard and metric units; determine the area of a figure on a rectangular grid, using standard units; represent multiplication using sets and arrays; identify repeated addition as a way to express multiplication; identify the missing operation in a number sentence; demonstrate fluency with basic operations; apply estimation in multiplication of numbers; analyze, interpret, and explain data; write a number sentence to represent a mathematical situation; use and apply estimation to add and subtract money; divide three-digit numbers by one-digit numbers; and describe and evaluate attributes of two- and three-dimensional shapes.</p> <p>Grade 8. Students solve multi-step equations; identify formal transformations; solve problems involving area, calculate measures of center for a given data set; identify and classify angles given a diagram; identify appropriate units of measure; interpret graphic organizers; identify equivalent representations of a number; convert equivalent units of measure within the same system of measurement; generalize a symbolic pattern; apply all operations to rational numbers; identify two-dimensional objects by analyzing their properties; use area and perimeter to solve problems; use symbolic algebra to represent and solve problems that involve linear-relationships, including recursive rotation; create similar polygons by applying the relationships of corresponding sides and angles; identify the probability of an event; identify problems that can be solved using similar mental strategies; estimate and justify the results of all operations on rational numbers; convert standard units within a system of measurement; analyze the relationship of two variables in a table; use coordinate geometry to determine the area of quadrilaterals; identify a repositioned object after formal transformations; analyze the probability of a specific outcome of an event; identify the appropriate multi-step linear equation to represent a given situation; identify missing terms of a pattern; and use and interpret measures of central tendency for a given data set.</p>					

Missouri

Mathematics

Grade	2005 NAEP scale equivalent				2005 NAEP exclusion rates				
	NAEP equivalent at the state standard for AYP	Standard error	Relative error ¹	Correlation between NAEP and state results		English language learners (ELL)	Students with disabilities	Students who are both ELL and with disabilities	
				Unadjusted	Adjusted ²				
4	242	1.2	1.5	0.64	0.76	0.4	2.0	0.1	
8	311	1.4	1.4	0.66	0.79	0.1	3.9	#	

Estimate rounds to zero.

- 1 Relative error provides a measure of how well the state's standard for AYP maps to the NAEP scale. Values of 1.5 or higher indicate poor mapping of school-level results and comparisons between NAEP and state assessments should be made with caution.
- 2 Estimate of what the correlation between NAEP and state assessment school-level percentages meeting primary state standards would have been if it were based on a standard set at the student population median and with no school samples having fewer than 30 students.

State accommodations not allowed on NAEP	Visual cues, amplification equipment, calculator, abacus, arithmetic tables, tape recorder, communication device, multiple sessions, taking the test at a time beneficial to the student, carrel, minimizing distractions, and taking the test over multiple days (dates for taking the MAP must occur within the MAP testing window).
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