

**Virginia Standards of Learning Assessments
Grade 8 Mathematics Performance Level Descriptors
Brief**

Performance Level	Descriptor
Pass/Advanced	The student demonstrates exceptional and consistent attainment of the knowledge and skills necessary to solve practical problems using rational numbers, two-step equations, inequalities, proportions, percents, and the Pythagorean Theorem; apply transformations; determine volume and surface area; solve and graph linear equations; analyze data from graphs; and find probability.
Pass/Proficient	The student demonstrates satisfactory attainment of the knowledge and skills necessary to solve practical problems using rational numbers, two-step equations, inequalities, proportions, percents, and the Pythagorean Theorem; apply transformations; determine volume and surface area; solve and graph linear equations; analyze data from graphs; and find probability.
Fail/Basic	The student demonstrates inconsistent attainment of the fundamental knowledge and skills necessary to solve practical problems using rational numbers, two-step equations, inequalities, proportions, percents, and the Pythagorean Theorem; apply transformations; determine volume and surface area; solve and graph linear equations; analyze data from graphs; and find probability.
Fail/Below Basic	The student demonstrates little if any attainment of the fundamental knowledge and skills necessary to solve practical problems using rational numbers, two-step equations, inequalities, proportions, percents, and the Pythagorean Theorem; apply transformations; determine volume and surface area; solve and graph linear equations; analyze data from graphs; and find probability.