

Grade 8

Year-End Assessment Syllabus — Mathematics

Chapter	Topic	Assessment Topics
CH1	Whole Numbers & Integers	<ul style="list-style-type: none">• Operations with integers• Absolute value• Integer word problems
CH2	Exponents	<ul style="list-style-type: none">• Laws of exponents• Negative exponents• Scientific notation
CH3	Square Roots & Pythagorean Theorem	<ul style="list-style-type: none">• Perfect squares• Estimating square roots• Pythagorean theorem• Hypotenuse problems
CH4	Percent, Fraction & Decimal	<ul style="list-style-type: none">• Converting between all forms• Percent problems• Fraction/decimal operations
CH5	Ratio & Rate	<ul style="list-style-type: none">• Unit rates• Proportions• Scale factors• Rate word problems
CH6	Linear Equations	<ul style="list-style-type: none">• Solving 1-step & 2-step equations• Variables on both sides• Word problems to equations
CH7	Probability	<ul style="list-style-type: none">• Theoretical & experimental probability• Compound probability• Independent vs dependent events
CH8	Geometry	<ul style="list-style-type: none">• Isometric drawing• Axis of rotation & plane• Translation• Composite shapes• Conservation of area