Grade 7

Grade 7 Math Entrance Exam

Topic/concept	Objectives
Unit Rate, Ratio and Proportion	Determine unit rate
	Use proportion to solve problems
Percentage	Find percent of a number
	Find the discount
Integers and Absolute value	Add / subtract integers
	Evaluate expressions with absolute value
Rational Numbers	Add and subtract fractions with unlike denominators
	Conversion decimal/fraction
	Compare and order rational numbers
	Multiplication & division of mixed numbers
Expressions	Evaluate simple algebraic expressions
	Describe relationship in arithmetic sequences
	Identify and simplify algebraic expressions
	Apply distributive property
	Factorizing algebraic expressions
	Add equations
	Subtract equations
	Solve one step equation
Geometry	Circumference and area of circle
	Area of composite shapes

Topic/Concept	Objectives
Comprehension	Identifies setting, characters, problems, events and solution.
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	Uses context clues to help guess the meaning of the word.
	Understands the purpose of the author.
Vocabulary	Can use prefixes to understand vocabulary.
	Can use prefixes to understand vocabulary
	Can use suffixes to understand vocabulary.
	Can use suffixes to understand vocabulary
	Can identify words that have the same or nearly the same meaning (synonyms).
	Can identify words that are opposite in meaning to each other (antonyms).
Spelling	Knows spelling rules and words.
	Can identify and use words that are correctly spelt.
Kinds of Sentences	Can identify different types of sentences and use appropriate end punctuation.
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Sentence Fluency	Recognizes parts of a complete sentence.
	Can distinguish between simple and complete subject.
	Can distinguish between simple and complete predicate.
Nouns	Can distinguish between common and proper nouns.
	Knows how to use possessive nouns correctly.
Capitalization	Knows and can apply the rules for capitalization.
Pluralisation	Can distinguish between singular and plural nouns.
	Knows how to make nouns plural.
Conjunctions	Can use conjunctions to join sentences.
Verb Tenses	Knows how to use verb tenses correctly.
Regular and Irregular Verbs	Can use regular and irregular verbs correctly.