

Grade 7 Study Guide Math Mid-Year Exam

Date: Sunday, December 10th, 2023.

Time: 8:00 to 9:30.

Duration: 1 hour and 30 minutes.

Study from: Math Reveal Textbook, Math notebook, IXL, ALEKS.

Lesson	Topic	Pages
3-1	Add Integers	127-137
3-2	Subtract Integers	139-147
3-3	Multiply Integers	149-158
3-4	Divide Integers	159-166
4-1	Rational Numbers	177-184
4-2	Add Rational Numbers	185-198
4-3	Subtract Rational Numbers	197-202
4-4	Multiply Rational Number	203-212
4-5	Divide Rational Numbers	213-220
5-1	Simplify Algebraic Expressions	233-241

Types of Questions to expect:
Multiple Choice, calculations, and word problems.

Keywords: (To be understood, not memorized)

Integers: A whole number that can be positive, negative or zero.
Sum: The answer to an addition problem.
Difference: The answer to a subtraction problem.
Product: The answer to a multiplication problem.
Whole Number: A natural positive counting number, including zero.
Fraction: A numerical quantity that is not a whole number. It consists of a numerator and denominator.
Mixed Number: Mixed numbers consist of a whole number and a proper fraction.
Rational Number: A number that can be expressed as a fraction or part of a whole number.
Quotient: The answer to a division problem.

Dividend: A number to be divided by another number.
Divisor: A number that divides into another number.
Algebraic expressions: Is a combination of numbers, variables, and mathematical operations.
Like terms: Terms contains the same variables to the same power.
Coefficient: The numerical factor of a term that contains a variable.
Constant: A term without a variable.
Linear expression: Is an algebraic expression in which each term is a constant or coefficient and a variable raised to the first power.

Kindly note that calculators are NOT allowed to be used and smart watches should NOT be worn during an exam.