

Grade 6 Math – Semester 1 Exam Study Guide

Subject: Math

Date & Time of Exam: Tuesday, December 11th, 2018

Duration of Exam: 90 minutes

You are expected to study from: All materials mentioned

1. Textbook/Workbooks:

Chapters	Topic	Pages
7-2	Addition and Subtraction Add and subtract decimals	325 - 330
7-4	Multiply Decimals Multiplication of decimals	337 - 342
7-5 , 7-6	Divide Decimals Divide decimals by a whole number and divide whole numbers by a decimal	343 - 354
1-1	Exponents Write and evaluate numbers with exponents	7 - 12
1-2	Evaluate Numerical Expressions Use order of operations to evaluate numerical expressions with decimals and fractions	13 - 18
1-3	Use Variables to Write Expressions Use variables to write algebraic expressions.	19 - 24
1-4	Identify Parts of an Expression Can use specific math words to describe parts of mathematical expressions.	25 - 30
1-5	Evaluate Algebraic Expressions Use substitution to evaluate algebraic expressions	31 - 36
3-1	Understand Integers Use positive and negative integers	143-148

3-2	Rational Numbers on a Number Line Find and position rational numbers on a number line	149-154
3-3	Compare and Order Rational Numbers To compare and order rational numbers.	155-160
3-4	Absolute Value Interpret absolute value in mathematics and real world situations.	161-166
4-1	Integers on the Coordinate Plane Graph integers on the Coordinate Plane	185-190
4-4	Polygons on the Coordinate Plane Find side lengths of polygons on a coordinate plane Find the perimeter of polygons on a coordinate plane	203-208

<p>1. Types of Questions:</p> <ul style="list-style-type: none"> a. Word problems. b. Multiple Choices. c. Calculations. d. Definitions. e. Matching f. True or False 	<p>➤ You are expected to:</p> <ul style="list-style-type: none"> ➤ Review pop quizzes ➤ Review quizzes ➤ Review mental math ➤ Review homework ➤ Review worksheets ➤ Review students' notes. ➤ IXL: M1, M2, M3 P1, X1, X2
--	---

VOCABULARY:

Decimal: A number with one or more digits to the right of the decimal point.

Exponent: The number which tells the number of times the base is used as a factor.

Evaluate: To find the value.

Factor: A number that is multiplied by another to get a product.

Variable: A letter or symbol that represents an unknown quantity.

Algebraic expression: A type of math expression that has at least one variable and at least one operation.

Term : Each part of an expression that is separated by a plus or a minus sign.

Coefficient: The number that is multiplied by a variable.

Substitution: Replace the variable with a number.

Integers: The counting numbers, their opposites and zero are called integers.

Rational Numbers: Any number that can be written as the quotient of two integers.

Absolute Value: The distance from zero on a number line.

Ordered pair: A pair of numbers (x, y) used to locate a point on a coordinate plane.

Quadrant : One of the four regions in which the x- and y- axes divide the coordinate plane .

Origin: The point $(0, 0)$ where the x-axis and y – axis of a coordinate plane intersect.