

Grade 7 Math End of Unit 3 Assessment Study Guide

Subject: Math

Date of Test: Wednesday, February 19th, 2020

Duration of Test: 80 Minutes

You are expected to study from: All materials mentioned below:

1. Textbook/Notebooks:

Chapters	Topic	Pages
5-1	Algebraic Expressions Evaluating algebraic expression	349 – 355
5-3	Properties of Operations Identify and use mathematical properties to simplify algebraic expressions	367 – 373
5-4	The Distributive Property Apply the distributive property to rewrite algebraic expressions	375 – 381
5-5	Simplify Algebraic Expressions Simplifying algebraic expressions	387 – 393
6-1	Solve One-Step Addition and Subtraction Equations Solving addition and subtraction equations	437 – 444
6-2	Multiplication and Division Equations Solving multiplication and division equations	447 – 453
6-4	Solve Two-Step Equations Solving two-step equations	469 – 475
6-5	More Two-Step Equations Solving equations in $p(x + q) = r$ form	481 – 487
6-6	Solve Inequalities by Addition or Subtraction Solving inequalities by using the addition or subtraction properties of inequalities	497 – 504
6-7	Solve Inequalities by Multiplication or Division Solving inequalities by using the multiplication or division properties of inequalities	505 – 512
6-8	Solve Two-Step Inequalities Solving two-step inequalities and representing solution on the number line	513 – 520

<p>2. Type of Questions:</p> <ul style="list-style-type: none"> a. Definitions (Matching or fill in the blank questions) b. Matching c. Multiple Choices. d. Calculations. e. Word Problems. 	<p>3. You are expected to:</p> <ul style="list-style-type: none"> a) Review mid-checks. b) Review mid-unit assessments. c) Review homework. d) Review word problems. e) Review students' notes. <p>➤ IXL: R4, R10, R11, R14, S2, S5, S6, S7, T1, T4, T6</p>
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VOCABULARY: (Definitions should not be memorized it should be understood)

Variable: Variable is a symbol that represents an unknown quantity. (Letters like x, y, a, b, c, ...)

Numerical Expression: Numerical expression is a mathematical sentence that contains numbers and mathematical operations (addition, subtraction, division, multiplication)

Algebraic Expression: Algebraic expression is a mathematical sentence that contains numbers, variables, and mathematical operations.

Equation: An equation states that two quantities are equal. (It has an "=" sign)

Term: A term is either a single number or a variable, or a product or quotient of numbers and variables. (Example: 2, y, 3x)

Like Terms: Like terms are terms whose variables are the same.

Constant: A constant is a number on its own. (A number without a variable)

Coefficient: is the numerical factor of a term that contains a variable. (4x means 4 times x, so 4 is a coefficient)

Variables on their own (without a number next to them) has a coefficient of 1 (x is really 1x)

Associative Property: The way in which numbers are grouped does not change their sum or product.

Commutative Property: The order in which two numbers are added or multiplied does not change their sum or product.

Additive Identity Property: the sum of any number and zero is the number.

Multiplicative Identity Property: The product of any number and one is the number.

Multiplicative Property of Zero: The product of any number and zero is zero.