**Grade 7 – Midterm Exam Study Guide**

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The following skills and concepts are included in the exam.

Chapter 1

Translate verbal phrases into numerical expressions. p. 5

Use the order of operations rules to evaluate expressions. p. 5

Evaluate expressions containing variables. p. 11

Identify and use properties of addition and multiplications. p. 18

Analyze trends in scatter plots p. 40

Chapter 2

Define absolute value pp. 61-64

Solve expressions with absolute value pp. 61-64

Add two or more integers pp. 69-72

Evaluate expressions by adding integers pp. 69-72

Subtract two or more integers pp. 76-79

Evaluate expressions by subtracting integers pp. 76-79

Multiply two or more integers pp. 83-86

Divide two integers pp. 90-93

Determine the mean from a set of data pp. 90-93

Locate a point on the coordinate plane pp. 96-99

Name and label a point on the coordinate plane pp. 96-99

Name a quadrant where a point is located pp. 96-99

Chapter 3

Write decimals as fractions p.129

Identify and classify rational and irrational numbers p. 128

Write mixed numbers, integers, terminating decimals and repeating decimals as fractions p. 128

Multiply positive and negative fractions p. 134

Divide positive and negative fractions using multiplicative inverse (reciprocal) p. 141

Evaluate algebraic expressions with fractions using division p. 143

Subtract rational numbers with like and unlike denominators pp. 147 and 153 (regrouping mixed numbers)

Use the Study Guide and Review/Practice Test at the end of each chapter to review concepts and skills for the test. Know the Key Vocabulary for each chapter.