

References - Domain 1: The real number system

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The real number system

MrCaryMath. (2011). Sets of numbers- natural, whole, integers, rational, irrational, and real. Retrieved from <http://www.youtube.com/watch?v=9orS7coe2WI>

Hotmath.com. (n.d.) Number systems: Naturals, integers, rationals, irrationals, reals, and beyond. Retrieved from http://hotmath.com/hotmath_help/topics/number-systems.html

Shelby County Schools. (n.d.). The number system. Retrieved from http://www.scsk12.org/SCS/curriculum_guides/6-12_Math_Webpage/PDF/0306_Real_Number_System

Absolute value

Khan Academy. (2011). Absolute value and number lines. Retrieved from https://www.khanacademy.org/math/arithmetic/absolute-value/abs_value_tutorial/v/absolute-value-and-number-lines

Stapel, Elizabeth. (2012). "Absolute Value." Purplemath. Retrieved from <http://www.purplemath.com/modules/absolute.htm>

Khan Academy. (2011). Finding absolute values. Retrieved from https://www.khanacademy.org/math/arithmetic/absolute-value/abs_value_tutorial/e/absolute_value

Math Worksheets. (n.d.) Absolute value #1. Retrieved from <http://imathworksheets.com/math-worksheets/absolute-value-worksheet-1.htm>

Math Worksheets. (n.d.) Absolute value #1- key. Retrieved from <http://imathworksheets.com/math-worksheets/absolute-value-worksheet-1-answers.htm>

Absolute value expressions

Khan Academy. (2011). Absolute value of integers. Retrieved from https://www.khanacademy.org/math/arithmetic/absolute-value/abs_value_tutorial/v/absolute-value-of-integers

Stapel, Elizabeth. (2012). "Solving absolute-value equations." Purplemath. Retrieved from <http://www.purplemath.com/modules/solveabs.htm>

Khan Academy. (2011). Absolute value equations. Retrieved from https://www.khanacademy.org/math/algebra/solving-linear-equations-and-inequalities/absolute-value-equations/e/absolute_value_equations

Adding and subtracting integers

Khan Academy. (2011). Example: Adding negative numbers. Retrieved from https://www.khanacademy.org/math/arithmetic/absolute-value/adding_subtracting_negatives/v/adding-negative-numbers

Khan Academy. (2011). Adding and subtracting negative number examples. Retrieved from https://www.khanacademy.org/math/arithmetic/absolute-value/adding_subtracting_negatives/v/adding-and-subtracting-negative-number-examples

Khan Academy. (2011). Why subtracting a negative equivalent to adding a positive. Retrieved from https://www.khanacademy.org/math/arithmetic/absolute-value/adding_subtracting_negatives/v/why-subtracting-a-negative-equivalent-to-adding-a-positive

Stapel, Elizabeth. (2012). "Adding and subtracting negative numbers." Purplemath. Retrieved from <http://www.purplemath.com/modules/negative2.htm>

Khan Academy. (2011). Adding and subtracting negative numbers. Retrieved from https://www.khanacademy.org/math/arithmetic/absolute-value/adding_subtracting_negatives/e/adding_and_subtracting_negative_numbers

Multiplying and dividing integers

Khan Academy. (2012). Multiplying positive and negative numbers. Retrieved from https://www.khanacademy.org/math/arithmetic/absolute-value/mult_div_negatives/v/multiplying-positive-and-negative-numbers

Khan Academy. (2012). Why a negative times a negative is a positive. Retrieved from https://www.khanacademy.org/math/arithmetic/absolute-value/mult_div_negatives/v/why-a-negative-times-a-negative-is-a-positive

Khan Academy. (2012). Dividing positive and negative numbers. Retrieved from https://www.khanacademy.org/math/arithmetic/absolute-value/mult_div_negatives/v/dividing-positive-and-negative-numbers

Stapel, Elizabeth. (2012). "Multiplying and dividing negative numbers." Purplemath. Retrieved from <http://www.purplemath.com/modules/negative3.htm>

Khan Academy. (2012). Multiplying and dividing negative numbers. Retrieved from <https://www.khanacademy.org/math/arithmetic/absolute-value/mult-div-negatives/e/multiplying-and-dividing-negative-numbers>

Kuta Software. (2012). Multiplying and dividing positive and negatives. Retrieved from <http://www.kutasoftware.com/FreeWorksheets/Alg1Worksheets/Multiplying+Dividing%20Rational%20Numbers.pdf>

Factors and multiples

Khan Academy. (2013). Finding factors and multiples. Retrieved from <https://www.khanacademy.org/math/arithmetic/factors-multiples/divisibility-and-factors/v/finding-factors-and-multiples>

Stapel, Elizabeth. (2012). "Factoring numbers." Purplemath. Retrieved from <http://www.purplemath.com/modules/factnumb.htm>

Khan Academy. (2013). Divisibility 0.5. Retrieved from <https://www.khanacademy.org/math/arithmetic/factors-multiples/divisibility-and-factors/e/divisibility-0.5>

LCM and GCF

Khan Academy. (2011). Least common multiple (LCM). Retrieved from <https://www.khanacademy.org/math/arithmetic/factors-multiples/least-common-multiple/v/least-common-multiple--lcm>

Khan Academy. (2011). Greatest common divisor. Retrieved from <https://www.khanacademy.org/math/arithmetic/factors-multiples/greatest-common-divisor/v/greatest-common-divisor>

Stapel, Elizabeth. (2012). "Least common multiple." Purplemath. Retrieved from http://www.purplemath.com/modules/lcm_gcf.htm

Khan Academy. (2011). Least common multiple. Retrieved from <https://www.khanacademy.org/math/arithmetic/factors-multiples/least-common-multiple/e/least-common-multiple>

Khan Academy. (2011). Greatest common divisor. Retrieved from <https://www.khanacademy.org/math/arithmetic/factors-multiples/greatest-common-divisor/e/greatest-common-divisor>

Distributive property

Khan Academy. (2011). The distributive property. Retrieved from https://www.khanacademy.org/math/arithmetic/order-of-operations/distributive_property/v/the-distributive-property

Khan Academy. (2011). The distributive property 2. Retrieved from https://www.khanacademy.org/math/arithmetic/order-of-operations/distributive_property/v/the-distributive-property-2

Stapel, Elizabeth. (2012). "Commutative, Associative, and Distributive Properties." Purplemath. Retrieved from <http://www.purplemath.com/modules/numbprop.htm>

Khan Academy. (2011). The distributive property. Retrieved from https://www.khanacademy.org/math/arithmetic/order-of-operations/distributive_property/e/distributive_property

Order of operations

Khan Academy. (2011). Introduction to order of operations. Retrieved from https://www.khanacademy.org/math/arithmetic/order-of-operations/order_of_operations/v/introduction-to-order-of-operations

Khan Academy. (2011). Order of operations 1. Retrieved from https://www.khanacademy.org/math/arithmetic/order-of-operations/order_of_operations/v/order-of-operations-1

Khan Academy. (2011). More complicated order of operations example. Retrieved from https://www.khanacademy.org/math/arithmetic/order-of-operations/order_of_operations/v/more-complicated-order-of-operations-example

Stapel, Elizabeth. (2012). "Order of operations: PEMDAS." Purplemath. Retrieved from <http://www.purplemath.com/modules/orderops.htm>

Khan Academy. (2011). Order of operations. Retrieved from https://www.khanacademy.org/math/arithmetic/order-of-operations/order_of_operations/e/order_of_operations

Exponents

Khan Academy. (2013). Introduction to exponents. Retrieved from <https://www.khanacademy.org/math/arithmetic/exponents-radicals/world-of-exponents/v/introduction-to-exponents>

Khan Academy. (2013). Raising a number to the 0th and 1st power. Retrieved from <https://www.khanacademy.org/math/arithmetric/exponents-radicals/world-of-exponents/v/raising-a-number-to-the-0th-and-1st-power>

Khan Academy. (2011). Exponent example 1. Retrieved from <https://www.khanacademy.org/math/arithmetric/exponents-radicals/world-of-exponents/v/understanding-exponents-2>

Khan Academy. (2011). Exponent example 2. Retrieved from <https://www.khanacademy.org/math/arithmetric/exponents-radicals/world-of-exponents/v/understanding-exponents>

Stapel, Elizabeth. (2012). "Exponents: Basic rules." Purplemath. Retrieved from <http://www.purplemath.com/modules/exponent.htm>

Khan Academy. (2011). Positive and zero exponents. Retrieved from https://www.khanacademy.org/math/arithmetric/exponents-radicals/world-of-exponents/e/exponents_1

Khan Academy. (2013). Factors and multiples. Retrieved from <https://www.khanacademy.org/math/arithmetric/factors-multiples>

Khan Academy. (2013). Negative numbers and absolute value. Retrieved from <https://www.khanacademy.org/math/arithmetric/absolute-value>

Khan Academy. (2013). Exponents, radicals, and scientific notation. Retrieved from <https://www.khanacademy.org/math/arithmetric/exponents-radicals>