|  |  |  |
| --- | --- | --- |
| **MT: The Number System** | | |
|  | **Learn** | **Practice** |
| **Target 1:** Interpret and compute quotients of fractions, and solve word problems involving division of fractions by fractions. (M.6.NS.1) | * <http://quizlet.com/39958992/number-system-6ns1-flash-cards/> * <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-arithmetic-operations/cc-6th-dividing-fractions/v/conceptual-understanding-of-dividing-fractions-by-fractions> * <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-arithmetic-operations/cc-6th-dividing-fractions/v/another-dividing-fractions-example> * <http://learnzillion.com/lessons/3584-interpret-quotient-of-a-fractional-division-problem> * <http://learnzillion.com/lessons/3594-computing-quotients-using-the-fractions-division-rule> * <http://www.mathsisfun.com/fractions_division.html> * <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-arithmetic-operations/cc-6th-dividing-fractions/v/dividing-fractions-example> * <http://learnzillion.com/lessons/3541-divide-a-whole-number-by-a-fraction> * <http://learnzillion.com/lessons/3592-divide-a-fraction-by-a-whole-number> * <http://learnzillion.com/lessons/484> * <http://www.mathsisfun.com/fractions_division.html> * <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-arithmetic-operations/cc-6th-dividing-fractions/e/dividing_fractions_1.5> * [http://www.math-play.com/math-basketball-dividing-fractions-game/math-basketball-d ividing-fractions-game.html](http://www.math-play.com/math-basketball-dividing-fractions-game/math-basketball-d%20ividing-fractions-game.html) * <http://www.funbrain.com/cgi-bin/fract.cgi?A1=s&A2=9&A15=1%20> * <http://www.mathplayground.com/computation/Div_Fractions_MP_secure.swf> * <http://www.ixl.com/math/grade-6/divide-fractions> * <http://www.ixl.com/math/grade-6/divide-fractions> * <http://www.ixl.com/math/grade-6/divide-fractions-and-mixed-numbers-word-problems> * <http://www.ixl.com/math/grade-7/divide-fractions> * <http://www.ixl.com/math/grade-7/divide-mixed-numbers> * <http://www.commoncoresheets.com/Math/Fractions/Dividing%20Fractions/1.pdfhttp://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-arithmetic-operations/cc-6th-dividing-fractions/e/dividing_fractions_word%20problems_2> * <http://learnzillion.com/lessons/3541-divide-a-whole-number-by-a-fraction> * <http://learnzillion.com/lessons/3592-divide-a-fraction-by-a-whole-number> * <http://learnzillion.com/lessons/3593-compute-quotients-of-fractions-in-realworld-problems> * <http://www.mathplayground.com/computation/Div_Fractions_MP_secure.swf> * <http://www.ixl.com/math/grade-6/divide-fractions-and-mixed-numbers-word-problems> | * <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-arithmetic-operations/cc-6th-dividing-fractions/e/dividing_fractions_1.5> * <http://www.math-play.com/math-basketball-dividing-fractions-game/math-basketball-dividing-fractions-game.html> * <http://www.funbrain.com/cgi-bin/fract.cgi?A1=s&A2=9&A15=1%20> * <http://www.mathplayground.com/computation/Div_Fractions_MP_secure.swf> * <http://www.ixl.com/math/grade-6/divide-fractions> * <http://www.ixl.com/math/grade-6/divide-fractions> * <http://www.ixl.com/math/grade-6/divide-fractions-and-mixed-numbers-word-problems> * <http://www.ixl.com/math/grade-7/divide-fractions> * <http://www.ixl.com/math/grade-7/divide-mixed-numbers> * <http://www.commoncoresheets.com/Math/Fractions/Dividing%20Fractions/1.pdf><http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-arithmetic-operations/cc-6th-dividing-fractions/e/dividing_fractions_word%20problems_2> * <http://learnzillion.com/lessons/3541-divide-a-whole-number-by-a-fraction> * <http://learnzillion.com/lessons/3592-divide-a-fraction-by-a-whole-number> * <http://learnzillion.com/lessons/3593-compute-quotients-of-fractions-in-realworld-problems> * <http://www.mathplayground.com/computation/Div_Fractions_MP_secure.swf> * <http://www.ixl.com/math/grade-6/divide-fractions-and-mixed-numbers-word-problems> |
| **Target 2:** Find the greatest common factor of two whole numbers less than or equal to 100 and the least common multiple of two whole numbers less than or equal to 12. Use the distributive property to express a sum of two whole numbers 1–100 with a common factor as a multiple of a sum of two whole numbers with no common factor. (M.6.NS.4) | * <http://quizlet.com/39959452/number-system-6ns4-flash-cards/> * <http://www.khanacademy.org/math/arithmetic/factors-multiples/prime_factorization/v/prime-factorization> * <http://www.khanacademy.org/math/arithmetic/factors-multiples/prime_factorization/v/prime-factorization-exercise> * <http://learnzillion.com/lessons/2393-answer-word-problems-by-listing-factor-pairs> * <http://www.youtube.com/watch?v=qGkK8xkWs6U> * <http://www.youtube.com/watch?v=_JF7tOt0eHw> * <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-factors-and-multiples/cc-6th-lcm/v/least-common-multiple-exercise> * <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-factors-and-multiples/cc-6th-lcm/v/least-common-multiple-exercise-2> * <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-factors-and-multiples/cc-6th-lcm/v/least-common-multiple--lcm> * <http://learnzillion.com/lessons/2500-find-lcm-of-two-numbers-by-listing-the-multiples-of-each> * <http://www.youtube.com/watch?v=N_TeeaKio5c> * <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-factors-and-multiples/cc-6th-gcf/v/greatest-common-divisor-factor-exercise> * <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-factors-and-multiples/cc-6th-gcf/v/greatest-common-divisor> * <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-factors-and-multiples/cc-6th-distributive-property/v/distributive-property-exercise> * <http://learnzillion.com/lessons/2499-find-gcf-by-listing-factor-pairs> * <http://learnzillion.com/lessons/2556-write-multiples-of-a-sum-using-a-visual-model> * <http://learnzillion.com/lessons/2581-rewrite-addition-problems-as-multiplication-problems-using-the-distributive-property> | * <http://www.khanacademy.org/math/arithmetic/factors-multiples/prime_factorization/e/prime_factorization> * <http://flash.hoodamath.com/factorfeeder.swf> * <http://www.math-play.com/Factors-and-Multiples-Jeopardy/Factors-and-Multiples-Jeopardy.html> * <http://www.mangahigh.com/en_us/games/sigmaprime> * <http://www.ixl.com/math/grade-7/prime-or-composite> * <http://www.ixl.com/math/grade-7/prime-factorization> * <http://www.ixl.com/math/grade-8/prime-factorization><http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-factors-and-multiples/cc-6th-lcm/e/least_common_multiple> * <http://www.oswego.org/ocsd-web/match/dragflip.asp?filename=slanelcm> * <http://www.sheppardsoftware.com/mathgames/fractions/LeastCommonMultiple.htm> * <http://www.math-play.com/Factors-and-Multiples-Jeopardy/Factors-and-Multiples-Jeopardy.html> * <http://www.mangahigh.com/en_us/games/sigmaprime> * <http://www.ixl.com/math/grade-6/least-common-denominator> * <http://www.ixl.com/math/grade-7/gcf-and-lcm-word-problems> * <http://www.ixl.com/math/grade-7/least-common-denominator> * <http://www.ixl.com/math/grade-8/least-common-multiple> * <http://www.ixl.com/math/grade-8/gcf-and-lcm-word-problems> * <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-factors-and-multiples/cc-6th-gcf/e/greatest_common_divisor> * <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-factors-and-multiples/cc-6th-distributive-property/e/distributive_property> * <http://www.sheppardsoftware.com/mathgames/fractions/GreatestCommonFactor.htm> * <http://www.math-play.com/Factors-and-Multiples-Jeopardy/Factors-and-Multiples-Jeopardy.html> * <http://www.mangahigh.com/en_us/games/sigmaprime> * <http://www.ixl.com/math/grade-7/divisibility-rules> * <http://www.ixl.com/math/grade-7/greatest-common-factor> * <http://www.ixl.com/math/grade-7/gcf-and-lcm-word-problems> * <http://www.ixl.com/math/grade-8/greatest-common-factor> * <http://www.ixl.com/math/grade-8/gcf-and-lcm-word-problems> |
| **Target 3:** Understand a rational number as a point on the number line. Extend number line diagrams and coordinate axes familiar from previous grades to represent points on the line and in the plane with negative number coordinates. (M.6.NS.6) | * <http://quizlet.com/39959638/number-system-6ns6-flash-cards/> * <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-negative-number-topic/cc-6th-absolute-value/v/absolute-value-and-number-lines> * <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-negative-number-topic/cc-6th-absolute-value/v/absolute-value-1> * <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-negative-number-topic/cc-6th-absolute-value/v/absolute-value-of-integers> * <http://learnzillion.com/lessons/2527-relate-positive-and-negative-quantities> * <http://learnzillion.com/lessons/481-understand-the-opposite-of-a-number-by-looking-at-a-number-line> * <http://learnzillion.com/lessons/483-understand-the-opposites-of-fractions-by-looking-at-a-number-line> * <http://staff.argyll.epsb.ca/jreed/math7/strand1/1109.htm> * <http://www.teachersdomain.org/asset/vtl07_vid_inventneg/> * <http://www.youtube.com/embed/owiplctOx84> * <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-negative-number-topic/cc-6th-absolute-value/v/absolute-value-word-problems-exercise> * <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-negative-number-topic/cc-6th-negatives/v/negative-number-word-problems-1> * <http://learnzillion.com/lessons/2475-relate-positive-and-negative-quantities-apply-to-elevation> * <http://learnzillion.com/lessons/2490-relate-positive-and-negative-quantities-apply-to-temperature> * <http://learnzillion.com/lessons/2550-relate-positive-and-negative-quantities-apply-to-bank-balance> * <http://www.teachersdomain.org/asset/vtl07_vid_inventneg/> * <http://www.youtube.com/embed/pKPRjchIRC8> * <http://www.youtube.com/watch?v=oLEQejxDyNc> * <http://learnzillion.com/lessons/3265-find-the-value-of-a-number-using-its-distance-and-direction-from-zero> * <http://learnzillion.com/lessons/3419-find-opposite-numbers-on-the-number-line> * <http://learnzillion.com/lessons/3470-locate-a-point-on-the-coordinate-plane> * <http://learnzillion.com/lessons/3429-determine-the-quadrant-of-a-point> * <http://www.youtube.com/embed/cHpUhk8OhBM> * <http://www.youtube.com/watch?v=u6pzpjyFun0> * <http://www.youtube.com/watch?v=BfAStLWOR-I> * <http://www.youtube.com/watch?v=oLEQejxDyNc> * <http://www.youtube.com/watch?v=Q2tdkWDfvvk> * <http://www.youtube.com/watch?v=6JhXQ86uWI0> * <http://www.youtube.com/watch?v=6EWq9EZmIKg> | * <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-negative-number-topic/cc-6th-absolute-value/e/absolute_value> * <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-negative-number-topic/cc-6th-negatives/e/number-opposites> * <http://www.sheppardsoftware.com/mathgames/integers/mathman_integer_parse.swf> * <http://www.learnalberta.ca/content/mec/flash/index.html?url=Data/1/B/A1B2.swf> * <http://www.sheppardsoftware.com/mathgames/integers/mathman_integer_numberline.swf> * <http://www.ixl.com/math/grade-6/understanding-integers> * <http://www.commoncoresheets.com/Math/Negative/Finding%20Opposites/1.pdf> * <http://www.commoncoresheets.com/Math/Negative/Finding%20Opposites/2.pdf> * <http://www.ixl.com/math/grade-6/absolute-value-and-opposite-integers> * <http://www.ixl.com/math/grade-6/number-lines-with-integers> * <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-negative-number-topic/cc-6th-negatives/e/negative_number_word_problems> * <http://www.sheppardsoftware.com/mathgames/integers/mathman_integer_parse.swf> * <http://www.mathsisfun.com/measure/thermometer.html> * <http://www.themint.org/kids/get-some-practice.html> * <http://www.ixl.com/math/grade-6/working-with-temperatures-above-and-below-zero><http://www.learnalberta.ca/content/mec/flash/index.html?url=Data/1/B/A1B2.swf> * <http://www.cosmeo.com/welcome/popups/catapult.html> * <http://www.funbrain.com/cgi-bin/co.cgi?A1=s&A2=0&INSTRUCTS>= * <http://www.math-play.com/coordinate-plane-game.html> * <http://mrnussbaum.com/flash/StockTheShelves2.0.swf> * <http://hotmath.com/hotmath_help/games/ctf/ctf_hotmath.swf> * <http://www.bgfl.org/bgfl/custom/resources_ftp/client_ftp/ks3/maths/coordinate_game/game1.htm> * <http://www.ixl.com/math/grade-6/graph-points-on-a-coordinate-plane> * <http://www.ixl.com/math/grade-7/points-on-coordinate-graphs> * <http://www.xpmath.com/forums/arcade.php?do=play&gameid=90> * <http://www.learnalberta.ca/content/mec/flash/index.html?url=Data/1/B/A1B2.swf> * <http://www.sheppardsoftware.com/mathgames/integers/mathman_integer_numberline.swf> * <http://mrnussbaum.com/flash/StockTheShelves2.0.swf> * <http://www.sheppardsoftware.com/mathgames/integers/mathman_integer_estimate.htm> * <http://www.commoncoresheets.com/Math/Negative/Understanding%20Absolute%20Value/1.pdf> |
| **Target 4:**  Solve real-world and mathematical problems by graphing points in all four quadrants of the coordinate plane. Include use of coordinates and absolute value to find distances between points with the same first coordinate or the same second coordinate. (M.6.NS.8) | * <http://quizlet.com/39959914/number-system-6ns8-flash-cards/> * <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-expressions-and-variables/cc-6th-inequalities/v/plotting-inequalities-on-a-number-line> * <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-expressions-and-variables/cc-6th-inequalities/e/writing-numerical-inequalities> * <http://learnzillion.com/lessons/1138-compare-two-positive-or-negative-numbers-in-realworld-situations> * <http://learnzillion.com/lessons/1139-compare-more-than-two-positive-or-negative-numbers-in-realworld-situations> * <http://learnzillion.com/lessons/1140-find-absolute-value-using-a-number-line> * <http://learnzillion.com/lessons/1141-use-a-number-line-to-understand-the-relationship-between-rational-numbers-and-absolute-value> * <http://learnzillion.com/lessons/1142-describe-negative-values-with-words> * <http://learnzillion.com/lessons/1143-interpret-absolute-value-in-realworld-situations> * <http://learnzillion.com/lessons/1144-use-a-number-line-to-understand-how-while-the-value-of-a-negative-number-decreases-its-absolute-value-increases> * <http://www.youtube.com/embed/xvivYjKiXuA> * <http://www.mathsisfun.com/numbers/absolute-value.html> * <http://learnzillion.com/lessons/1145-graph-points-in-any-quadrant> * <http://learnzillion.com/lessons/1146-write-coordinate-pairs-for-points> * <http://learnzillion.com/lessons/1147-use-absolute-value-to-find-distances-between-points> * <http://learnzillion.com/lessons/1295-graph-and-mathematical-problems-using-a-coordinate-plane> * <http://learnzillion.com/lessons/1149-graph-and-solve-realworld-problems-using-a-coordinate-plane> | * <http://www.khanacademy.org/math/arithmetic/applying-math-reasoning-topic/greater-than-less-than/v/writing-numerical-inequalities-exercise> * <http://www.ixl.com/math/grade-7/compare-and-order-integers> * <http://www.sheppardsoftware.com/mathgames/integers/FS_CompareIntegers.htm> * <http://www.xpmath.com/forums/games/absoluteValueBoxes.swf> * <http://www.mathsisfun.com/number-line.html> * <http://www.commoncoresheets.com/Math/Negative/Negative%20Number%20Location%20on%20Numberline/1.pdf> * <http://www.commoncoresheets.com/Math/Negative/Negative%20Number%20Location%20on%20Numberline/2.pdf> * <http://www.commoncoresheets.com/Math/Negative/Negative%20Number%20Location%20on%20Numberline/2.pdf> * <http://www.commoncoresheets.com/Math/Negative/Negative%20Value%20(G%20or%20L)/1.pdf> * <http://www.commoncoresheets.com/Math/Negative/Negative%20Value%20(G%20or%20L)/2.pdf> * <http://www.commoncoresheets.com/Math/Negative/Negative%20Value%20(G%20or%20L)/1.pdf> * <http://www.commoncoresheets.com/Math/Negative/Negative%20Value%20(G%20or%20L)/2.pdf> * <http://www.sheppardsoftware.com/mathgames/Numberballs_absolute_value/numberballsAS2_abs.swf> * <http://www.math-play.com/Absolute-Value-Equations/play.swf> * <http://www.ixl.com/math/grade-7/absolute-value-and-opposite-integers> * <http://www.ixl.com/math/grade-8/absolute-value-and-opposite-integers> * <http://www.commoncoresheets.com/Math/Negative/Understanding%20Absolute%20Value/1.pdf><http://www.funbrain.com/cgi-bin/co.cgi?A1=s&A2=0&INSTRUCTS>= * <http://www.learnalberta.ca/content/mec/flash/index.html?url=Data/1/B/A1B2.swf> * <http://www.cosmeo.com/welcome/popups/catapult.html> * <http://www.math-play.com/coordinate-plane-game.html> * <http://www.mathplayground.com/SaveTheZogs/SaveTheZogs.html> * <http://www.learnalberta.ca/content/mec/flash/index.html?url=Data/1/E/A1E2.swf> * <http://hotmath.com/hotmath_help/games/ctf/ctf_hotmath.swf> * <http://www.bgfl.org/bgfl/custom/resources_ftp/client_ftp/ks3/maths/coordinate_game/game1.htm> * <http://www.ixl.com/math/grade-6/graph-points-on-a-coordinate-plane> * <http://www.ixl.com/math/grade-8/coordinate-graphs-as-maps> * <http://www.ixl.com/math/grade-7/coordinate-graphs-as-maps> * <http://www.ixl.com/math/grade-6/coordinate-graphs-as-maps><http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-geometry-topic/cc-6th-coordinate-plane/e/coordinate-plane-word-problems> * <http://www.learnalberta.ca/content/mec/flash/index.html?url=Data/1/E/A1E2.swf> * <http://www.ixl.com/math/grade-6/distance-between-two-points> * <http://www.orglib.com/6.ns.8-coordinate-system-14previewTest_0d1520c2bb_6b28496a4bb14095b79a181b1936ff47_678_20_2_3907.html> * <https://www.learningfarm.com/startSession.cfm?subID=55&topicID=1298&modeID=3&randID=0.803544518282241&CFID=3480701&CFTOKEN=df481dfd836a6b4b-76E536D9-9F84-2AE4-196989D122679888> |