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| **MT: Ratios and Proportional Reasoning** |
|  | **Learn** | **Practice** |
| **Target 1:** Solve unit rate problems including those involving unit pricing and constant speed. (M.6.RP.3b) | * <http://quizlet.com/39956326/ratios-6rp3b-flash-cards/>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-ratios-prop-topic/cc-6th-describing-ratios/v/ratios-intro>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-ratios-prop-topic/cc-6th-describing-ratios/v/ratios-as-fractions>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-ratios-prop-topic/cc-6th-ratio-word-problems/v/ratio-word-problem-exercise-example-1>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-ratios-prop-topic/cc-6th-ratio-word-problems/v/ratio-word-problem-exercise-example-2>
* <http://learnzillion.com/lessons/580-visualize-parttopart-ratios-using-pictures>
* <http://learnzillion.com/lessons/581-visualize-parttototal-ratios-using-pictures>
* <http://learnzillion.com/lessons/1178-describe-a-picture-using-ratio-language>
* <http://learnzillion.com/lessons/584-understanding-ratios-and-fractions-by-analyzing-a-picture>
* <http://learnzillion.com/lessons/585-simplify-ratios-by-finding-patterns-in-a-picture>
* <http://learnzillion.com/lessons/839-understand-rates-as-a-type-of-ratio>
* <http://www.youtube.com/embed/IJNlmqZFOL4>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-ratios-prop-topic/cc-6th-rates/v/finding-unit-rates>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-ratios-prop-topic/cc-6th-rates/v/finding-unit-prices>
* <http://learnzillion.com/lessons/840-create-unit-rate-using-diagram>
* <http://learnzillion.com/lessons/841-create-unit-rate-using-tape-diagram>
* <http://learnzillion.com/lessons/842-define-unit-rate-using-double-number-line>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-ratios-prop-topic/cc-6th-ratio-word-problems/v/solving-ratio-problems-with-tables-exercise>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-ratios-prop-topic/cc-6th-ratio-word-problems/v/solving-ratio-problems-with-tables-exercise-2>
* <http://learnzillion.com/lessons/608-solve-missing-values-in-ratio-problems-using-a-table>
* <http://learnzillion.com/lessons/609-solve-missing-values-in-ratio-problems-using-a-double-number-line>
* <http://learnzillion.com/lessons/610-solve-missing-values-in-ratio-problems-using-multiplicative-reasoning>
* <http://learnzillion.com/lessons/611-graph-ratios-using-a-table>
* <http://www.youtube.com/embed/ZvEDzYf29mQ>
* <http://www.bbc.co.uk/skillswise/video/ratio-and-proportion>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-ratios-prop-topic/cc-6th-ratio-word-problems/v/ratio-word-problem-exercise-example-1>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-ratios-prop-topic/cc-6th-ratio-word-problems/v/ratio-word-problem-exercise-example-2>
* <http://learnzillion.com/lessons/608-solve-missing-values-in-ratio-problems-using-a-table>
* <http://learnzillion.com/lessons/609-solve-missing-values-in-ratio-problems-using-a-double-number-line>
* <http://learnzillion.com/lessons/610-solve-missing-values-in-ratio-problems-using-multiplicative-reasoning>
* <http://learnzillion.com/lessons/611-graph-ratios-using-a-table>
* <http://www.youtube.com/embed/ZvEDzYf29mQ>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-ratios-prop-topic/cc-6th-ratio-word-problems/v/solving-ratio-problems-with-tables-exercise>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-ratios-prop-topic/cc-6th-ratio-word-problems/v/solving-ratio-problems-with-tables-exercise-2>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-ratios-prop-topic/cc-6th-ratio-word-problems/v/solving-ratio-problems-with-tables-exercise-2>
* <http://learnzillion.com/lessons/609-solve-missing-values-in-ratio-problems-using-a-double-number-line>
* <http://learnzillion.com/lessons/610-solve-missing-values-in-ratio-problems-using-multiplicative-reasoning>
* <http://learnzillion.com/lessons/611-graph-ratios-using-a-table>
* <http://learnzillion.com/lessons/612-solve-for-missing-values-in-rate-problems-using-a-table>
* <http://learnzillion.com/lessons/614-solve-rate-problems-using-multiplicative-reasoning>
* <http://learnzillion.com/lessons/615-graphing-rate-problems-using-a-table>
* <http://www.youtube.com/embed/ZvEDzYf29mQ>
 | * <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-ratios-prop-topic/cc-6th-describing-ratios/e/expressing_ratios_as_fractions>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-ratios-prop-topic/cc-6th-ratio-word-problems/e/ratio_word_problems>
* <http://www.ixl.com/math/grade-6/unit-rates-and-equivalent-rates>
* <http://www.ixl.com/math/grade-6/write-a-ratio-to-describe-objects-in-a-picture>
* <http://www.learnalberta.ca/content/mec/flash/index.html?url=Data/4/B/A4B2.swf>
* <http://www.ixl.com/math/grade-6/equivalent-ratios>
* <http://www.arcademicskillbuilders.com/games/ratio-martian/ratio-martian.html>
* <http://nrich.maths.org/content/id/4824/Ratio-2.swf>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-ratios-prop-topic/cc-6th-rates/e/rate_problems_0.5>
* <http://www.ixl.com/math/grade-6/equivalent-ratios>
* <http://smartgraphs-authoring.concord.org/activities/19-driving-to-grandma-s-house/student_preview>
* <http://www.ixl.com/math/grade-7/unit-rates>
* <http://www.ixl.com/math/grade-6/compare-ratios-word-problems>
* <http://www.ixl.com/math/grade-6/unit-rates-and-equivalent-rates>
* <http://www.ixl.com/math/grade-6/unit-rates-word-problems>
* <http://www.commoncoresheets.com/Math/Ratios/Using%20Unit%20Price/2.pdf>[http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-ratios-prop-topic/cc-6th-ratio-word-problems/e/solving-ratio-problems-with-tables\](http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-ratios-prop-topic/cc-6th-ratio-word-problems/e/solving-ratio-problems-with-tables/)
* <http://www.ixl.com/math/grade-7/do-the-ratios-form-a-proportion-word-problems>
* <http://media.arcademicskillbuilders.com/games/ratio-blaster/ratio-blaster.swf>
* <http://www.ixl.com/math/grade-6/proportions>
* <http://www.xpmath.com/forums/games/proportionSolve.swf>
* <http://www.ixl.com/math/grade-6/ratio-tables>
* <http://www.ixl.com/math/grade-7/solve-proportions-word-problems>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-ratios-prop-topic/cc-6th-ratio-word-problems/e/ratio_word_problems>
* <http://www.ixl.com/math/grade-7/do-the-ratios-form-a-proportion-word-problems>
* <http://mathsnacks.com/ratiorumble.php>
* <http://media.arcademicskillbuilders.com/games/ratio-blaster/ratio-blaster.swf>
* <http://www.ixl.com/math/grade-6/compare-ratios-word-problems>
* <http://www.ixl.com/math/grade-6/ratio-tables>
* <http://www.ixl.com/math/grade-7/solve-proportions-word-problems><http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-ratios-prop-topic/cc-6th-ratio-word-problems/e/solving-ratio-problems-with-tables>
* <http://mathsnacks.com/ratiorumble.php>
* <http://www.ixl.com/math/grade-6/compare-ratios-word-problems>
* <http://smartgraphs-authoring.concord.org/activities/104-fence-painting/student_preview>
* <http://www.ixl.com/math/grade-6/ratio-tables>
* <http://www.ixl.com/math/grade-7/solve-proportions-word-problems>
* <http://www.ixl.com/math/grade-7/unit-rates>
 |
| **Target 2:** Find a percent of a quantity as a rate per 100 (e.g., 30% of a quantity means 30/100 times the quantity); solve problems involving finding the whole, given a part and the percent. (M.6.RP.3c) | * <http://quizlet.com/39956612/ratios-6rp3c-flash-cards/>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-ratios-prop-topic/cc-6th-percentages/v/describing-the-meaning-of-percent>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-ratios-prop-topic/cc-6th-percentages/v/describing-the-meaning-of-percent-2>
* <http://learnzillion.com/lessons/593-define-percents-as-ratios>
* <http://learnzillion.com/lessons/594-visualize-percents-using-10x10-grids>
* <http://learnzillion.com/lessons/595-compare-ratios-using-tables-and-percents>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-ratios-prop-topic/cc-6th-percentages/v/describing-the-meaning-of-percent-2>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-ratios-prop-topic/cc-6th-percentages/v/finding-percentages-example>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-ratios-prop-topic/percent_word_problems/v/solving-percent-problems-2>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-ratios-prop-topic/percent_word_problems/v/solving-percent-problems-3>
* <http://www.youtube.com/embed/fwhzwruXULU>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-ratios-prop-topic/cc-6th-percentages/v/finding-percentages-example>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-ratios-prop-topic/cc-6th-percentages/v/percent-word-problems>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-ratios-prop-topic/percent_word_problems/v/another-percent-word-problem>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-ratios-prop-topic/percent_word_problems/v/percent-word-problems-1-example-2>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-ratios-prop-topic/percent_word_problems/v/solving-percent-problems-2>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-ratios-prop-topic/percent_word_problems/v/solving-percent-problems-3>
* <http://learnzillion.com/lessons/596-find-the-part-when-the-percent-and-total-are-known>
* <http://learnzillion.com/lessons/597-find-the-total-when-the-percent-and-part-are-known>
* <http://www.youtube.com/embed/fwhzwruXULU>
 | * <http://www.ixl.com/math/grade-7/what-percentage-is-illustrated>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-ratios-prop-topic/cc-6th-percentages/e/finding_percents>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-ratios-prop-topic/percent_word_problems/e/percentage_word_problems_1>
* <http://www.learnalberta.ca/content/mec/flash/index.html?url=Data/4/C/A4C2.swf>
* <http://www.ixl.com/math/grade-6/find-what-percent-one-number-is-of-another>
* <http://www.commoncoresheets.com/Math/Percents/Finding%20Percents/1.pdf>
* <http://www.commoncoresheets.com/Math/Percents/Finding%20Percents/2.pdf>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-ratios-prop-topic/cc-6th-percentages/e/finding_percents>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-ratios-prop-topic/percent_word_problems/e/percentage_word_problems_1>
* <http://www.bbc.co.uk/skillswise/game/ma17frac-game-any-fractions-method>
* <http://www.learnalberta.ca/content/mec/flash/index.html?url=Data/4/C/A4C2.swf>
* <http://www.mathplayground.com/balloon_invaders_percent.html>
 |
| **Target 3:** Use ratio reasoning to convert measurement units; manipulate and transform units appropriately when multiplying or dividing quantities. (M.6.RP.3d) | * <http://quizlet.com/39956922/ratios-6rp3d-flash-cards/>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-ratios-prop-topic/cc-6th-unit-conversion/v/converting-pounds-to-ounces>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-ratios-prop-topic/cc-6th-unit-conversion/v/converting-gallons-to-quarts-pints-and-cups>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-ratios-prop-topic/cc-6th-unit-conversion/v/converting-yards-into-inches>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-ratios-prop-topic/cc-6th-unit-conversion/v/unit-conversion-exercise-example-1>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-ratios-prop-topic/cc-6th-unit-conversion/v/can-a-squirrel-avoid-getting-run-over>
* <http://learnzillion.com/lessons/592-convert-measurement-units-using-ratio-tables>
 | * <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-ratios-prop-topic/cc-6th-unit-conversion/e/units>
* <http://lsua.info/chem1001/dimanalysis/testnewbutton/dimanal2.html>
* <http://www.ixl.com/math/grade-6/multiply-and-divide-mixed-customary-units>
* <http://www.ixl.com/math/grade-6/convert-compare-add-and-subtract-mixed-customary-units>
* <http://www.ixl.com/math/grade-8/unit-prices-with-unit-conversions>
* <http://www.ixl.com/math/grade-8/unit-prices-find-the-total-price>
* <http://www.ixl.com/math/grade-7/estimate-percents-of-numbers>
* <http://www.ixl.com/math/grade-8/convert-rates-and-measurements-customary-units>
* <http://www.ixl.com/math/grade-8/convert-rates-and-measurements-metric-units>
* <http://www.ixl.com/math/grade-8/mixed-customary-units>
 |