

Unit 3: Unit Rates and Percentages[Open Up Family Resource Link](#)

Lesson	Skill	Online Resources	Standard
1	Understand that Unit Rates are useful for solving problems.	https://www.khanacademy.org/math/pre-algebra/pre-algebra-ratios-rates/pre-algebra-rates/v/introduction-to-rates https://www.khanacademy.org/math/pre-algebra/pre-algebra-ratios-rates/pre-algebra-rates/e/unit-rates	6.RP.A.2
2	Use correct units for measures of length, weight, or volume. Estimate weights and lengths of common objects.	https://courses.lumenlearning.com/boundless-chemistry/chapter/units-of-measurement/ https://www.youtube.com/watch?v=oAtDAoqdExw https://ca.ixl.com/math/grade-6/estimate-metric-measurements https://ca.ixl.com/science/grade-6/choose-customary-units-of-distance-mass-and-volume	6.RP.A
3	Know the relationships between different units of measurement.	https://www.khanacademy.org/math/cc-fifth-grade-math/cc-5th-measurement-topic/cc-5th-unit-conversion/v/u-s-customary-and-metric-units	6.RP.A.3.d
4	Convert measurements from one unit to another, using double number lines, tables, or by thinking about “how much for 1.”	https://www.khanacademy.org/math/cc-fifth-grade-math/cc-5th-measurement-topic/cc-5th-unit-conversion/v/unit-conversion-with-fractions https://www.khanacademy.org/math/cc-fifth-grade-math/cc-5th-measurement-topic/cc-5th-unit-conversion/v/ordering-metric-distances https://www.ixl.com/math/grade-5/compare-and-convert-customary-units https://www.ixl.com/math/grade-6/convert-and-compare-metric-units	6.RP.A.3.d
5	Compare unit rates.	https://learnzillion.com/lesson_plans/8451-find-the-best-deal-by-comparing-unit-rates/ https://www.khanacademy.org/math/pre-algebra/pre-algebra-ratios-rates/pre-algebra-rates/v/practice-computing-and-comparing-rates	6.RP.A.2, 6.RP.A.3.b
6	Calculate two unit rates from a ratio and explain what each of them means in the situation.	http://virtualnerd.com/pre-algebra/ratios-proportions/rates-unit-rates/rate-unit-rate-examples/rate-to-unit-rate-conversion	6.RP.A.2, 6.RP.A.3.b, 6.RP.A.3

		https://www.khanacademy.org/math/pre-algebra/pre-algebra-ratios-rates/pre-algebra-rates/v/finding-unit-rates https://www.ixl.com/math/grade-6/unit-rates-and-equivalent-rates	
7	<p>Give an example of two equivalent ratios and show that they have the same unit rates.</p> <p>Multiply or divide by the unit rate to calculate missing values in a table of equivalent ratios.</p>	https://www.khanacademy.org/math/pre-algebra/pre-algebra-ratios-rates/pre-algebra-rates/v/finding-unit-rates https://www.ixl.com/math/grade-6/unit-rates-word-problems	6.RP.A.2, 6.RP.A.3.b, 6.RP.A.3
8	Solve problems about constant speed situations.	http://virtualnerd.com/pre-algebra/ratios-proportions/rates-unit-rates/rate-unit-rate-examples/rates-word-problem-solution https://www.youtube.com/watch?v=sdX5M6OegSw	6.RP.A.3.b, 6.RP.A.3
9	Use unit rates to solve problems.	https://www.youtube.com/watch?v=LbJUEuEqAlg https://www.ixl.com/math/grade-6/unit-rates-word-problems	6.RP.A.3.b, 6.RP.A.3.d, 6.RP.A.3
10	<p>Explain the meaning of percentages using dollars and cents as an example.</p> <p>Create a double number line with percentages on one line and dollar amounts on the other line.</p>	https://www.youtube.com/watch?v=s11SiS0tVjl https://www.youtube.com/watch?v=JeVSmq1Nrpw https://www.khanacademy.org/math/pre-algebra/pre-algebra-ratios-rates/pre-algebra-intro-percents/v/describing-the-meaning-of-percent	6.RP.A.3.c
11	Use double number line diagrams to solve different problems like “What is 40% of 60?” or “60 is 40% of what number?”	https://www.youtube.com/watch?v=2NYSq_i1i3Q https://www.youtube.com/watch?v=1rhiXeCekyk https://www.youtube.com/watch?v=Rj0TVa_X510 https://www.ixl.com/math/grade-6/percents-of-numbers-word-problems	6.RP.A.3.c
12	Tape diagrams to solve different problems like “What is 40% of 60?” or “60 is 40% of what number?”	https://www.youtube.com/watch?v=ydoVtCsZCis https://www.youtube.com/watch?v=ldEd_oJCIIQ https://learnzillion.com/lesson_plans/287-understand-and-solve-percent-problems-by-finding-the-whole-given-the-percent-and-part-by-using-a-tape-diagram/ https://www.ixl.com/math/grade-6/percents-of-numbers-word-problems	6.RP.A.3.c

13	Know common fraction and percent conversions.	https://www.factmonster.com/math/tables-and-formulas/common-fractions-decimal-and-percent-equivalents https://www.khanacademy.org/math/pre-algebra/pre-algebra-ratios-rates/pre-algebra-percent-decimal-conversions/v/representing-a-number-as-a-decimal-percent-and-fraction https://www.ixl.com/math/grade-6/convert-between-percents-fractions-and-decimals	6.RP.A.3.c
14	Create diagrams to help me solve problems about percentages.	https://www.youtube.com/watch?v=QkPavsu5_fm https://ca.ixl.com/math/grade-6/what-percentage-is-illustrated	6.RP.A.3.c
15	Solve different problems like “What is 40% of 60?” by dividing and multiplying.	https://www.khanacademy.org/math/pre-algebra/pre-algebra-ratios-rates/modal/v/solving-percent-problems https://www.khanacademy.org/math/pre-algebra/pre-algebra-ratios-rates/pre-algebra-percent-problems/v/taking-a-percentage-example https://www.khanacademy.org/math/pre-algebra/pre-algebra-ratios-rates/pre-algebra-percent-word-problems/e/percentage_word_problems_1 https://ca.ixl.com/math/grade-6/percents-of-numbers-and-money-amounts	6.RP.A.3.c, 6.RP.A.3
16	Solve different problems like “60 is what percentage of 40?” by dividing and multiplying.	https://www.khanacademy.org/math/pre-algebra/pre-algebra-ratios-rates/pre-algebra-percent-word-problems/v/percent-word-problems https://www.khanacademy.org/math/pre-algebra/pre-algebra-ratios-rates/pre-algebra-percent-problems/v/finding-percentages-example https://www.khanacademy.org/math/pre-algebra/pre-algebra-ratios-rates/modal/v/solving-percent-problems https://ca.ixl.com/math/grade-6/percents-of-numbers-word-problems https://ca.ixl.com/math/grade-6/find-what-percent-one-number-is-of-another	6.RP.A.3.c