

Unit 4: Dividing Fractions[Open Up Family Resource Link](#)

Lesson	Skill	Online Resources	Standard
1	Know how the size of a divisor affects the quotient.	https://mathwizz.com/arithmetric/help/help9.htm	6.NS.A
2	Write a division equation as multiplication. Explain two ways of interpreting a division expression such as $27 \div 3$. Explain how multiplication and division are related.	https://www.youtube.com/watch?time_continue=74&v=FS6NRtLF19s https://www.khanacademy.org/math/arithmetric-home/multiply-divide/relate-mult-div/v/examples-relating-multiplication-to-division https://www.illustrativemathematics.org/content-standards/tasks/344	6.NS.A
3	Create a diagram or write an equation that represents division and multiplication questions.	https://www.eduplace.com/math/mw/background/3/08/te_3_08_overview.html https://www.youtube.com/watch?v=iKZaTj8Tuks	6.NS.A.1
4	When dividing, find how many groups there are when the amount in each group is not a whole number.	https://www.khanacademy.org/math/arithmetric/fraction-arithmetric/modal/v/example-dividing-a-whole-by-a-unit-fraction https://www.khanacademy.org/math/arithmetric/fraction-arithmetric/modal/e/dividing_fractions https://www.ixl.com/math/grade-5/divide-whole-numbers-by-unit-fractions-using-models	6.NS.A.1
5	When dividing, find how many groups there are when the number of groups and the amount in each group are not whole numbers.	https://www.khanacademy.org/math/arithmetric/fraction-arithmetric/modal/v/example-diving-a-unit-fraction-by-a-whole-number https://www.khanacademy.org/math/arithmetric/fraction-arithmetric/modal/e/dividing_fractions_0.5	6.NS.A.1
6	Use a tape diagram to represent equal-sized groups and find the number of groups.	https://www.khanacademy.org/math/arithmetric/fraction-arithmetric/arith-review-dividing-fractions/v/conceptual-understanding-of-dividing-fractions-by-fractions	6.NS.A.1
7	Use diagrams and multiplication and division equations to represent and answer “what fraction of a group?” questions.	https://www.youtube.com/watch?v=z6JI41UQQ1I https://www.youtube.com/watch?v=LPEwBga9n4g	6.NS.A.1

8	Use diagrams and multiplication and division equations to represent and answer “how much in each group?” questions.	https://www.youtube.com/watch?v=e1i-Keu5kYk https://www.youtube.com/watch?v=XImCEK1UbWE	6.NS.A.1
9	When dividing, find the amount in one group in different real-world situations.	https://www.youtube.com/watch?v=tcS_TKdpNAI https://www.youtube.com/watch?v=Y_zAFng_148	6.NS.A.1
10	<p>Divide a number by a unit fraction by reasoning with the denominator, which is a whole number.</p> <p>Divide a number by a non-unit fraction by reasoning with the numerator and denominator, which are whole numbers.</p>	https://www.ixl.com/math/grade-6/divide-fractions https://ca.ixl.com/math/grade-6/fractions-of-a-group-word-problems	6.NS.A.1
11	Apply a rule to divide numbers by any fraction.	https://www.youtube.com/watch?v=4lkq3DgvmJo https://www.mathsisfun.com/fractions_division.html	6.NS.A.1
12	Use division and multiplication to solve problems involving fractional lengths.	https://www.youtube.com/watch?v=UyYJZDvio-4	6.NS.A.1
13	Use division and multiplication to solve problems involving areas of rectangles with fractional side lengths.	https://learnzillion.com/lesson_plans/5693-find-the-area-of-a-rectangle-with-fractional-side-lengths-by-tiling/ https://www.khanacademy.org/math/arithmetric-home/arith-review-fractions/multiply-fractions/v/intuition-for-area-with-fractional-side-lengths https://www.youtube.com/watch?v=Nit8tzUd-A8	6.NS.A.1
14	<p>Use division and multiplication to solve problems involving areas of triangles with fractional bases and heights.</p> <p>Find the volume of a rectangular prism using cubes when the edge lengths are not whole numbers.</p>	https://www.youtube.com/watch?v=Xv3tdWcViW0 https://math.wonderhowto.com/how-to/find-area-triangle-using-fraction-measurement-316819/ https://www.khanacademy.org/math/basic-geo/basic-geo-volume-sa/volume-with-fractions/v/volume-of-a-rectangular-prism-with-fractional-dimensions https://www.khanacademy.org/math/basic-geo/basic-geo-volume-sa/volume-with-fractions/v/volume-of-a-rectangular-prism-with-fractional-cubes https://www.khanacademy.org/math/basic-geo/basic-geo-volume-sa/volume-with-fractions/e/volume-with-cubes-with-fraction-lengths	6.G.A.1, 6.G.A.2, 6.NS.A.1

15	Solve volume problems that involve fractions.	https://www.youtube.com/watch?v=RjV-cOMQEAg	6.G.A.2
16	Use mathematical expressions to represent and solve word problems that involve fractions.	https://www.khanacademy.org/math/arithmetic/fraction-arithmetic/arith-review-div-fractions-word-problems/e/dividing-fractions-by-fractions-word-problems	6.NS.A.1