

5th Grade Math

Dear Parents/Families,

In your student's math class, the upcoming course of study deals with Adding & Subtracting Fractions. Your child will apply their understanding of fractions to add and subtract fractions with different denominators.

In fourth grade, students built a strong foundation for fractions by composing and decomposing fractions, as well as by adding and subtracting fractions with like denominators.

By the end of this course of study, the following statements describe what your student will be able to do:

- I can add and subtract fractions with unlike denominators and mixed numbers. 5.NF.1
- I can solve word problems that involve fractions. 5.NF.2
- I can understand that fractions are really the division of a numerator by the denominator. 5.NF.3

Next year in sixth grade, students will compute quotients of fractions and solve word problems involving division of fractions.

Vocabulary terms important to this course of study:

Scaling (drawing to scale), like/unlike denominators, equivalent/equal, units, estimate, benchmark fractions, fraction, mixed number, factor, product, equivalence, factor, multiple, numerator, denominator, operations, unit fraction

Additionally, the back of this paper has the IXL standards that can be practiced at home that correlate with this cluster.

If you have any questions about this new topic of study, please don't hesitate to contact a grade level teacher or our math coach. Thank you!

Sincerely,

Miss Owen, Mrs. Reilley and Mrs. Rogers

Adding & Subtracting Fractions

5th Grade Math

Adding and Subtracting Fractions Cluster

5.NF.1

- [Equivalent fractions \(Fifth grade - K.3\)](#)
- [Reduce fractions to lowest terms \(Fifth grade - K.4\)](#)
- [Convert between improper fractions and mixed numbers \(Fifth grade - K.5\)](#)
- [Add fractions with unlike denominators using models \(Fifth grade - L.6\)](#)
- [Add up to 4 fractions with denominators of 10 and 100 \(Fifth grade - L.7\)](#)
- [Add fractions with unlike denominators \(Fifth grade - L.8\)](#)
- [Subtract fractions with unlike denominators using models \(Fifth grade - L.9\)](#)
- [Subtract fractions with unlike denominators \(Fifth grade - L.10\)](#)
- [Add 3 or more fractions with unlike denominators \(Fifth grade - L.12\)](#)
- [Complete addition and subtraction sentences with fractions \(Fifth grade - L.15\)](#)
- [Inequalities with addition and subtraction of fractions \(Fifth grade - L.16\)](#)
- [Add mixed numbers with unlike denominators \(Fifth grade - L.18\)](#)
- [Subtract mixed numbers with unlike denominators \(Fifth grade - L.19\)](#)
- [Complete addition and subtraction sentences with mixed numbers \(Fifth grade - L.22\)](#)
- [Inequalities with addition and subtraction of mixed numbers \(Fifth grade - L.23\)](#)

5.NF.2

- [Add and subtract fractions with like denominators: word problems \(Fifth grade - L.4\)](#)
- [Add and subtract fractions with unlike denominators: word problems \(Fifth grade - L.11\)](#)
- [Add 3 or more fractions: word problems \(Fifth grade - L.13\)](#)
- [Compare sums and differences of unit fractions \(Fifth grade - L.14\)](#)
- [Add and subtract mixed numbers: word problems \(Fifth grade - L.20\)](#)
- [Add and subtract fractions in recipes \(Fifth grade - L.21\)](#)

5.NF.3

- [Fractions review \(Fifth grade - K.1\)](#)
- [Divide fractions by whole numbers \(Fifth grade - N.4\)](#)