

5th Grade Math

Dear Parents/Families,

In your student's math class, the upcoming course of study deals with Decimal Operations. Your child will develop an understanding of operations with decimals by using concrete models or drawings.

In fourth grade, students worked with decimal notation to write a fraction with 10 or 100 as the denominator as a fraction. They also compared decimals to the hundredths by reasoning about their size.

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

- I can add, subtract, multiply and divide decimals. 5.NBT.7

Next year in sixth grade, students will fluently add, subtract, multiply and divide multi-digit decimals using the standard algorithm.

Vocabulary terms important to this course of study:

Tenths, hundredths, thousandths, exponents, powers of 10, decimal point, expanded notation

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

5th Grade Math

IXL strands to practice for the Decimal Operations Cluster (5.NBT.7)

- [Add and subtract money: word problems \(Fifth grade - B.4\)](#)
- [Divide money amounts: word problems \(Fifth grade - D.14\)](#)
- [Add decimal numbers \(Fifth grade - H.1\)](#)
- [Subtract decimal numbers \(Fifth grade - H.2\)](#)
- [Add and subtract decimal numbers \(Fifth grade - H.3\)](#)
- [Add and subtract decimals: word problems \(Fifth grade - H.4\)](#)
- [Choose decimals with a particular sum or difference \(Fifth grade - H.5\)](#)
- [Complete the addition or subtraction sentence \(Fifth grade - H.6\)](#)
- [Inequalities with decimal addition and subtraction \(Fifth grade - H.7\)](#)
- [Multiply a decimal by a one-digit whole number \(Fifth grade - I.3\)](#)
- [Multiply a decimal by a multi-digit whole number \(Fifth grade - I.4\)](#)
- [Multiply decimals and whole numbers: word problems \(Fifth grade - I.5\)](#)
- [Multiply money amounts: word problems \(Fifth grade - I.6\)](#)
- [Multiply three or more numbers, one of which is a decimal \(Fifth grade - I.7\)](#)
- [Multiply two decimals using grids \(Fifth grade - I.8\)](#)
- [Multiply two decimals \(Fifth grade - I.9\)](#)
- [Division with decimal quotients \(Fifth grade - J.3\)](#)
- [Division with decimal quotients and rounding \(Fifth grade - J.4\)](#)
- [Division with decimal quotients: word problems \(Fifth grade - J.5\)](#)
- [Add, subtract, multiply, and divide decimals \(Fifth grade - O.5\)](#)
- [Add, subtract, multiply, and divide decimals: word problems \(Fifth grade - O.6\)](#)
- [Price lists \(Fifth grade - R.1\)](#)
- [Unit prices \(Fifth grade - R.2\)](#)

Decimal Operations