

NBT Number and Operations in Base Ten

- **4.NBT.A Generalize place value understanding for multi-digit whole numbers less than or equal to 1,000,000.**
 - **4.NBT.A.1 Recognize that in a multi-digit whole number, a digit in any place represents 10 times as much as it represents in the place to its right.**
 - [Value of a digit \(4-A.3\)](#)
 - [Relationship between place values \(4-A.4\)](#)
 - **4.NBT.A.2 Read and write multi-digit whole numbers using base-ten numerals, number names, and expanded form. Compare two multi-digit numbers based on meanings of the digits in each place, using $>$, $=$, and $<$ symbols to record the results of comparisons.**
 - [Place value models \(4-A.1\)](#)
 - [Convert between standard and expanded form \(4-A.2\)](#)
 - [Place value review \(4-A.7\)](#)
 - [Writing numbers up to 1,000 in words: convert words to digits \(4-A.8\)](#)
 - [Writing numbers up to 1,000 in words: convert digits to words \(4-A.9\)](#)
 - [Writing numbers up to 100,000 in words: convert words to digits \(4-A.10\)](#)
 - [Writing numbers up to 100,000 in words: convert digits to words \(4-A.11\)](#)
 - [Writing numbers up to one million in words: convert words to digits \(4-A.12\)](#)
 - [Writing numbers up to one million in words: convert digits to words \(4-A.13\)](#)
 - [Spell word names for numbers up to one million \(4-A.16\)](#)
 - [Compare numbers up to one hundred thousand \(4-A.25\)](#)
 - [Compare numbers up to one million \(4-A.26\)](#)
 - [Place value word problems \(4-J.1\)](#)
 - **4.NBT.A.3 Use place value understanding to round multi-digit whole numbers to any place.**
 - [Rounding: up to millions place \(4-A.21\)](#)
 - [Rounding input/output tables \(4-A.22\)](#)
 - [Estimate sums \(4-B.10\)](#)
 - [Estimate sums: word problems \(4-B.11\)](#)
 - [Estimate differences \(4-C.8\)](#)
 - [Estimate differences: word problems \(4-C.9\)](#)
 - [Estimate products: multiply by 1-digit numbers \(4-D.28\)](#)
 - [Estimate products: multiply by 2-digit numbers \(4-D.29\)](#)
 - [Estimate products: word problems \(4-D.30\)](#)
 - [Divide by 1-digit numbers: pick the better estimate \(4-E.25\)](#)
 - [Estimate sums, differences, products, and quotients: word problems \(4-F.5\)](#)
- **4.NBT.B Use place value understanding and properties of operations to perform multi-digit arithmetic on whole numbers less than or equal to 1,000,000.**
 - **4.NBT.B.4 Fluently add and subtract multi-digit whole numbers using the standard algorithm.**
 - [Add two numbers up to five digits \(4-B.1\)](#)
 - [Add two numbers up to five digits: word problems \(4-B.2\)](#)
 - [Addition: fill in the missing digits \(4-B.5\)](#)
 - [Properties of addition \(4-B.6\)](#)

- [Add 3 or more numbers up to millions \(4-B.7\)](#)
- [Choose numbers with a particular sum \(4-B.9\)](#)
- [Subtract numbers up to five digits \(4-C.1\)](#)
- [Subtract numbers up to five digits: word problems \(4-C.2\)](#)
- [Subtraction: fill in the missing digits \(4-C.5\)](#)
- [Choose numbers with a particular difference \(4-C.7\)](#)
- [Comparison word problems with addition and subtraction \(4-F.\)](#)
- [Mentally add and subtract numbers ending in zeroes \(4-F.15\)](#)
- **4.NBT.B.5 Multiply a whole number of up to four digits by a one-digit whole number, and multiply two two-digit numbers, using strategies based on place value and the properties of operations. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.**
 - [Multiplication facts to 12 \(4-D.4\)](#)
 - [Multiply 1-digit numbers by 2-digit numbers using area models I \(4-D.13\)](#)
 - [Multiply 1-digit numbers by 2-digit numbers using area models II \(4-D.14\)](#)
 - [Multiply 1-digit numbers by 2-digit numbers \(4-D.15\)](#)
 - [Multiply 1-digit numbers by 3-digit or 4-digit numbers using area models I \(4-D.16\)](#)
 - [Multiply 1-digit numbers by 3-digit or 4-digit numbers using area models II \(4-D.17\)](#)
 - [Multiply 1-digit numbers by 3-digit or 4-digit numbers using expanded form \(4-D.18\)](#)
 - [Multiply 1-digit numbers by 3-digit or 4-digit numbers \(4-D.20\)](#)
 - [Multiplication patterns over increasing place values \(4-D.23\)](#)
 - [Properties of multiplication \(4-D.24\)](#)
 - [Distributive property: find the missing factor \(4-D.25\)](#)
 - [Multiply using the distributive property \(4-D.26\)](#)
 - [Use one multiplication fact to complete another \(4-D.27\)](#)
 - [Multiply 2-digit numbers by 2-digit numbers using area models I \(4-D.32\)](#)
 - [Multiply 2-digit numbers by 2-digit numbers using area models II \(4-D.33\)](#)
 - [Multiply 2-digit numbers by 2-digit numbers using partial products \(4-D.34\)](#)
 - [Box multiplication \(4-D.35\)](#)
 - [Lattice multiplication \(4-D.36\)](#)
 - [Multiply a 2-digit number by a 2-digit number: complete the missing steps \(4-D.37\)](#)
 - [Multiply a 2-digit number by a 2-digit number \(4-D.38\)](#)
 - [Multiply a 2-digit number by a 2-digit number: word problems \(4-D.39\)](#)
 - [Multiply numbers ending in zeroes \(4-D.43\)](#)
 - [Multiply numbers ending in zeroes: word problems \(4-D.44\)](#)
- **4.NBT.B.6 Find whole-number quotients and remainders with up to four-digit dividends and one-digit divisors, using strategies based on place value, the properties of operations, and/or the relationship between multiplication and division. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.**
 - [Multiply by 10 or 100 \(4-D.22\)](#)
 - [Properties of division \(4-E.5\)](#)

- [Divide 2-digit numbers by 1-digit numbers using arrays \(4-E.6\)](#)
- [Divide 2-digit numbers by 1-digit numbers using area models \(4-E.7\)](#)
- [Divide using the distributive property \(4-E.9\)](#)
- [Divide 2-digit numbers by 1-digit numbers \(4-E.11\)](#)
- [Divide 2-digit numbers by 1-digit numbers: word problems \(4-E.12\)](#)
- [Divide 2-digit numbers by 1-digit numbers: complete the table \(4-E.13\)](#)
- [Divide 2-digit numbers by 1-digit numbers: interpret remainders \(4-E.14\)](#)
- [Divide 3-digit numbers by 1-digit numbers using area models \(4-E.15\)](#)
- [Divide using partial quotients \(4-E.16\)](#)
- [Divide larger numbers by 1-digit numbers \(4-E.17\)](#)
- [Divide larger numbers by 1-digit numbers: word problems \(4-E.18\)](#)
- [Divide larger numbers by 1-digit numbers: complete the table \(4-E.19\)](#)
- [Divide larger numbers by 1-digit numbers: interpret remainders \(4-E.20\)](#)
- [Choose numbers with a particular quotient \(4-E.21\)](#)
- [Division patterns over increasing place values \(4-E.22\)](#)
- [Divide numbers ending in zeroes by 1-digit numbers \(4-E.23\)](#)