Division with Remainders

Today's Standard

4.NBT.B6 - 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.

Cues	Notes
What is a quotient?	A quotient is the result of division.
What is a remainder?	A remainder is what is left over after division.
How do you divide a four-digit number by a one-digit number?	To divide a four-digit number by a one-digit number, use place value, properties of operations, and relationships between multiplication and division.
What strategies can be used for division?	Strategies include place value understanding, properties of operations, and using visual models like area models and rectangular arrays.
What are common misconceptions in division?	Misconceptions: Remainder larger than divisor; Quotient is always a whole number.

Summary

This standard teaches how to find whole-number quotients and remainders with up to four-digit dividends and one-digit divisors using various strategies and visual models.