

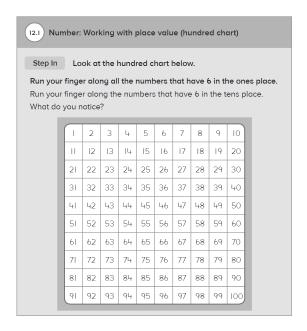


Core Focus

- Number: working with place value and counting sequence to 120 using a hundred chart
- Subtraction: Taking multiples of I or IO from any two-digit number using a hundred chart
- Measurement: Capacity and mass

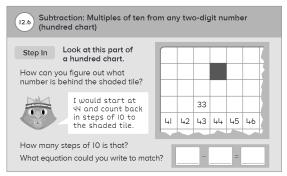
Number

A hundred chart helps students understand the base-ten system. Students use
this model to recognize vertical patterns of +10 and -10, and horizontal patterns
of +1 and -1.



Subtraction

• Students practice counting forward and backward by tens *on the decade* (10, 20, 30) and *off the decade* (27, 37, 47) with help from the hundred chart.



In this lesson, students start at any two-digit number off the decade and count in steps of ten, e.g. 44, 34, 24, 14

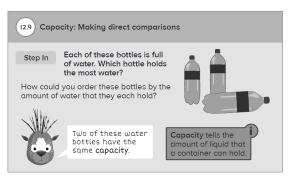
Ideas for Home

- Practice skip-counting to 120 when passing the time traveling or waiting.
- Practice reading two- and three-digit numbers on apartments, houses, street signs, and highway exit signs.

Module 12

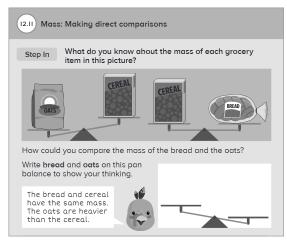
Measurement

Language associated with capacity and mass (or weight) is explored in this
module. Expressions like full, empty, half-full, nearly full describe capacity, or the
amount a container can hold. For mass, the language includes heavy, heavier,
light, etc.



In this lesson, students fill bottles with water and then compare and order capacities.

 Counting non-standard units (for example, the number of same-size cubes, or equal-size scoops of water) is foundational to exploring capacity and comparing weight.



In this lesson, students count and record the number of uniform non-standard units (cubes) to compare the masses of objects.

Ideas for Home

- Explore capacity by asking, "Which container seems the right size for these leftovers?" or, "Which glass will hold more milk — the tall, skinny one, or the short, fat one?"
- Use marbles, beans, or cups of water to measure the capacity of different-sized containers.
- Ask questions, like, "Can a hairbrush fit into your backpack?" or "Can a garden shovel fit in the kitchen cabinet?"
- Create a coat hanger balance scale. Place objects in plastic bags and hang them from the ends of the hanger. Ask, "How many pennies does it take to balance the mass of a pencil?"

Glossary

• Mass and weight are not the same thing. However, for students in earlier grades, it is acceptable to use the two terms interchangeably, especially when most students hear weigh and weight more often in everyday conversation. The distinction between mass and weight will be addressed in later grades.