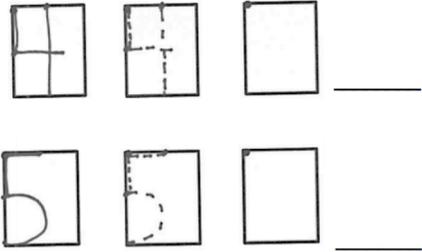


Numbers to 10

In Module 1, students begin to observe and analyze the world around them mathematically. They will count, order, and draw up to ten objects. They will eventually work toward an understanding that each successive number names a quantity that is 1 more, and that the number before is 1 less. This is just the beginning of an exciting mathematical year for kindergarten students!



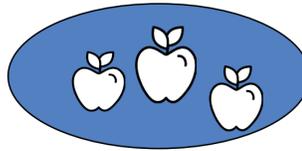
Students will practice writing numerals from 0 to 10 in this module, practicing in boxes like those above until they are comfortable using just the line.

Sample Problem from Module 1: (Example taken from Module 1, Lesson 14)

How many apples are there all together?

3 is the same as _____ and _____.

3 apples = _____ apples + _____ apple.



5-group cards

3	•••
5	•••••
8	••••• •••
10	••••• •••••

Terms, Phrases, and Strategies in this Module:

Exactly the same/not exactly the same/the same, but: ways to analyze objects to match or sort

Match: group items that are the same or that have the same given attribute

Sort: group objects according to a particular attribute

Answer “how many” when counting quantities or sets

Counting path: order of count, especially with large numbers

Number story: stories with add to or take from situations

Zero: understand the meaning of, write and recognize

Number sentence: $3 = 2 + 1$

5-group: see box to the left

Rows/columns: linear configuration types

1 more/1 less: e.g.,
4. 1 more is 5, and
4. 1 less is 3

+ How you can help at home:

- Have your student practice counting groups of objects in his/her environment
- In addition to counting, students can practice writing the numerals 0-10
- Practice decomposing numbers, e.g. talk about how 5 is made up of a group of 2 and a group of 3

Key Idaho Content Standards:

- **Know number names and the count sequence**
 - Write numbers from 0 to 10
- **Count to tell the number of objects**
 - Understand the relationship between numbers and quantities; connect counting to cardinality
- **Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from**
 - Decompose numbers less than or equal to 10 into pairs in more than one way
- **Classify objects and count the number of objects in each category**
 - Classify objects into given categories; count the numbers of objects in each category and sort the categories by count