

Jan. K: Unit 4- Compose and Decompose Numbers to 10

Content Area: **Math**
Course(s):
Time Period: **January**
Length: **4-5 Weeks**
Status: **Obsolete**

Unit Overview

Operations and Algebraic Thinking. Students will understand how to join an amount of objects in two groups to make a number.

Enduring Understandings

Parts of a number join together to make a number. Numbers can be taken apart into two numbers.

Essential Questions

How do we join two numbers together to make one larger number?

How do we take apart a number into two numbers?

Instructional Strategies & Learning Activities

My Math Kindergarten Chapter 4

- **Pacing Guide**
Suggested Pacing

Instruction	13 days
Review/Assessment	2 days
Total*	15 days

- *Includes additional time for remediation and differentiation.

Lesson	Objective	Material & Manipulatives	Vocabulary	Standard
Lesson 1 <i>pp.</i> 257-262 Make 4 and 5	Show ways to compose or make 4 and 5 using concrete objects, drawings, and numbers.	<ul style="list-style-type: none">• attribute buttons• string• counting bears• two-color	All of the vocabulary in this chapter are review words.	K.OA.1 Major Cluster

		counters	MP 1, 2, 3, 4, 6 K.OA.1 K.OA.3
Lesson 2 pp. 263-268 Take Apart 4 and 5	Show ways to decompose or take apart 4 and 5 using concrete objects, pictures, and numbers.	<ul style="list-style-type: none"> • connecting cubes • counting bears 	Major Cluster
Lesson 3 pp. 269-274 Make 6 and 7	Show ways to compose or make 6 and 7 using concrete objects, drawings, and numbers.	<ul style="list-style-type: none"> • counting bears • construction paper • two-color counters 	MP 1, 2, 3, 5, 6 K.OA.1 Major Cluster
Lesson 4 pp. 275-284 Take Apart 6 and 7	Show ways to decompose or take apart 6 and 7 using concrete objects, pictures, and numbers.	<ul style="list-style-type: none"> • construction paper • counters • connecting cubes 	MP 2, 5, 6, 7 K.OA.1 K.OA.3 Major Cluster
Lesson 5 pp. 285-286 Problem Solving Strategy: Act It Out Check My Progress	Act it out to solve problems.	<ul style="list-style-type: none"> • connecting cubes • attribute buttons • attribute blocks • bears • counters 	MP 1, 2, 4, 5, 7, 8 K.OA.1 Major Cluster
Lesson 6 pp. 289-294 Make 8 and 9	Show ways to compose or make 8 and 9 using concrete objects, drawings, and numbers.	<ul style="list-style-type: none"> • attribute blocks • yarn • color tiles • two-color counters 	MP 1, 2, 4, 5, 6 K.OA.1 Major Cluster
Lesson 7 pp. 295-300 Take Apart 8 and 9	Show ways to decompose or take apart 8 and 9 using concrete objects, pictures, and numbers.	<ul style="list-style-type: none"> • attribute blocks • yarn • color tiles • two-color counters 	MP 1, 2, 3, 5, 6 K.OA.1 K.OA.3 Major Cluster
Lesson 8 pp. 301-306 Make 10	Show ways to compose or make 10 using concrete objects, drawings, and numbers.	<ul style="list-style-type: none"> • connecting cubes • color tiles 	MP 1, 2, 5, 6 K.OA.1 K.OA.4 Major Cluster
Lesson 9 pp. 307-312 Take Apart 10	Show ways to decompose or take apart 10 using concrete objects, pictures, and numbers.	<ul style="list-style-type: none"> • attribute buttons • string • two-color counters 	MP 1, 3, 4, 5, 7 K.OA.1 K.OA.3 Major Cluster
		<ul style="list-style-type: none"> • connecting cubes • counters 	MP 2, 3, 5, 6, 7, 8

Integration of Career Readiness, Life Literacies and Key Skills

WRK.9.1.2.CAP	Career Awareness and Planning
WRK.9.1.2.CAP.1	Make a list of different types of jobs and describe the skills associated with each job.
TECH.9.4.2.CT	Critical Thinking and Problem-solving
TECH.9.4.2.CT.2	Identify possible approaches and resources to execute a plan (e.g., 1.2.2.CR1b, 8.2.2.ED.3).
TECH.9.4.2.CT.3	Use a variety of types of thinking to solve problems (e.g., inductive, deductive).
	Different types of jobs require different knowledge and skills.

Technology and Design Integration

Utilize programs on the iPad.

Use of Shutterfly Share Site.

Smartboard lessons and technology

CS.K-2.8.1.2.NI.3	Create a password that secures access to a device. Explain why it is important to create unique passwords that are not shared with others.
CS.K-2.8.1.2.NI.4	Explain why access to devices need to be secured.

Interdisciplinary Connections

LA.SL.K.1	Participate in collaborative conversations with diverse partners about kindergarten topics and texts with peers and adults in small and larger groups.
LA.SL.K.2	Confirm understanding of a text read aloud or information presented orally or through other media by asking and answering questions about key details and requesting clarification if something is not understood.
LA.SL.K.3	Ask and answer questions in order to seek help, get information, or clarify something that is not understood.

Differentiation

Each chapter in My Math teacher manual contains differentiated instruction for Approaching level, On Level and Above level students.

Modifications & Accommodations

I&RS and 504 accommodations will be utilized in addition to the differentiated instruction in the Unit.

Benchmark Assessments

Check My Progress

Formative Assessments

Teacher observation

Discussion

Worksheets

Summative Assessments

Assessments for chapters located in My Math Unit.

Instructional Materials

See above

Standards

MA.K.OA.A.1	Represent addition and subtraction up to 10 with objects, fingers, mental images, drawings, sounds (e.g., claps), acting out situations, verbal explanations, expressions, or equations.
MA.K.OA.A.3	Decompose numbers less than or equal to 10 into pairs in more than one way, e.g., by using objects or drawings, and record each decomposition by a drawing or equation (e.g., $5 = 2 + 3$ and $5 = 4 + 1$).
MA.K.OA.A.4	For any number from 1 to 9, find the number that makes 10 when added to the given number, e.g., by using objects or drawings, and record the answer with a drawing or equation.