

P.Cert. K: Unit 6: Subtraction

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

Unit Overview

Students will learn how to take apart a group to subtract and use symbols to represent subtraction.

Enduring Understandings

Subtraction is taking a part of a group away from a larger group.

Minus signs represent "take away".

Essential Questions

How do we use objects to represent subtraction and act out a subtraction problem?

How do we use symbols to represent subtraction?

Instructional Strategies & Learning Activities

My Math Kindergarten Chapter 6

Pacing Guide

Suggested Pacing

Instruction	11 days
Review/Assessment	2 days
Total*	13 days

*Includes additional time for remediation and differentiation.

Lesson	Objective	Material & Manipulatives	Vocabulary	Standard
Lesson 1 <i>pp.</i> 383-388	Model subtraction as taking away from or separating groups of objects.	<ul style="list-style-type: none">• connecting cubes• counters• counting bears	take away are left	K.OA.1 K.OA.2 Major

			Cluster
Lesson 2 <i>pp.</i> 389-394 Use Objects to Subtract Check My Progress	Use concrete objects to solve subtraction problems.	<ul style="list-style-type: none"> • buttons • counters • paper • crayons 	MP 1, 2, 4, 5, 6, 7 K.OA.1 K.OA.2 Major Cluster MP 1, 2, 5, 6 K.OA.1 K.OA.2 K.OA.5 Major Cluster
Lesson 3 <i>pp.</i> 397-402 Use the – Symbol	Use the minus symbol (–) to show subtraction.	<ul style="list-style-type: none"> • counters • connecting cubes 	minus sign (–) MP 1, 2, 4, 5, 8 K.OA.1 K.OA.2 K.OA.5 Major Cluster
Lesson 4 <i>pp.</i> 403-408 Use the = Symbol	Use the (=) symbol in subtraction sentences.	<ul style="list-style-type: none"> • connecting cubes • counters • color tiles 	MP 1, 2, 3, 6, 8 K.OA.1 K.OA.2 K.OA.5 Major Cluster
Lesson 5 <i>pp.</i> 409-414 How Many Are Left?	Use concrete objects to show how many are left.	<ul style="list-style-type: none"> • clay • write on/wipe off board • counters • attribute blocks 	MP 1, 2, 3, 4, 6 K.OA.1 K.OA.2 K.OA.5 Major Cluster
Lesson 6 <i>pp.</i> 415-420 Problem Solving Strategy: Write a Number Sentence	Write a number sentence to solve subtraction problems.	<ul style="list-style-type: none"> • pencils • paper • counting bears • color tiles • string • attribute buttons 	MP 1, 3, 4, 6, 8 K.OA.3 Major Cluster
Lesson 7 <i>pp.</i> 421-426 Subtract to Take Apart 10	Take apart 10 by subtracting.	<ul style="list-style-type: none"> • counters • connecting cubes 	Major

Integration of 21st Century Themes and Career Exploration

CRP.K-12.CRP2	Apply appropriate academic and technical skills.
CRP.K-12.CRP5	Consider the environmental, social and economic impacts of decisions.
CRP.K-12.CRP4	Communicate clearly and effectively and with reason.
CRP.K-12.CRP1	Act as a responsible and contributing citizen and employee.
CRP.K-12.CRP8	Utilize critical thinking to make sense of problems and persevere in solving them.

Technology Integration

Utilize programs on the iPad.

Use of Shutterfly Share Site.

Smartboard lessons and technology

Interdisciplinary Connections

LA.RF.K.1	Demonstrate understanding of the organization and basic features of print.
LA.RF.K.2	Demonstrate understanding of spoken words, syllables, and sounds (phonemes).
LA.RI.K.1	With prompting and support, ask and answer questions about key details in a text.
LA.RF.K.3	Know and apply grade-level phonics and word analysis skills in decoding and encoding words.
LA.RI.K.4	With prompting and support, ask and answer questions about unknown words in a text.
LA.RI.K.7	With prompting and support, describe the relationship between illustrations and the text in which they appear (e.g., what person, place, thing, or idea in the text an illustration depicts).
LA.RI.K.2	With prompting and support, identify the main topic and retell key details of a text.

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.5

Demonstrate fluency for addition and subtraction within 5.

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.2

Solve addition and subtraction word problems, and add and subtract within 10, e.g., by

using objects or drawings to represent the problem.

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 $5 = 4 + 1$).