

Unit 1: Add and Subtract within 10

Content Area: **Mathematics**
Course(s):
Time Period: **Generic Time Period**
Length: **6 weeks**
Status: **Published**

Standards

MA.1.1.OA.A.1	Use addition and subtraction within 20 to solve word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using objects, drawings, and equations with a symbol for the unknown number to represent the problem.
MA.1.1.OA.D.7	Understand the meaning of the equal sign, and determine if equations involving addition and subtraction are true or false.
TECH.8.1.2.C	Students use digital media and environments to communicate and work collaboratively, including at a distance, to support individual learning and contribute to the learning of others.
TECH.8.1.2.A.CS2	Select and use applications effectively and productively.
MA.1.1.OA.D.8	Determine the unknown whole number in an addition or subtraction equation relating to three whole numbers.
LA.1.RI.1.1	Ask and answer questions about key details in a text.
MA.1.1.OA.B.3	Apply properties of operations as strategies to add and subtract.
LA.1.RI.1.4	Ask and answer questions to help determine or clarify the meaning of words and phrases in a text.
MA.1.1.NBT.A.1	Count to 120, starting at any number less than 120. In this range, read and write numerals and represent a number of objects with a written numeral.
LA.1.SL.1.2	Ask and answer questions about key details in a text read aloud or information presented orally or through other media.
MA.1.1.OA.B.4	Understand subtraction as an unknown-addend problem.
LA.1.SL.1.3	Ask and answer questions about what a speaker says in order to gather additional information or clarify something that is not understood.
LA.1.SL.1.5	Add drawings or other visual displays to descriptions when appropriate to clarify ideas, thoughts, and feelings.
LA.1.SL.1.1.A	Follow agreed-upon norms for discussions (e.g., listening to others with care, speaking one at a time about the topics and texts under discussion).
LA.1.SL.1.1.B	Build on others' talk in conversations by responding to the comments of others through multiple exchanges.
LA.1.SL.1.1.C	Ask questions to clear up any confusion about the topics and texts under discussion.
LA.1.RL.1.1	Ask and answer questions about key details in a text.
MA.1.1.OA.C.5	Relate counting to addition and subtraction (e.g., by counting on 2 to add 2).
TECH.8.1.2.A.CS1	Understand and use technology systems.

Learning Objectives

Chapter 1 Objective: SWBAT understand addition concepts through ten

Lesson 1.1 Objective: SWBAT use pictures to add to find the sum

Lesson 1.2 Objective: SWBAT use concrete objects to solve "adding to" addition problems

Lesson 1.3 Objective: SWBAT use concrete objects to solve "putting together" addition problems

Lesson 1.4 Objective: SWBAT solve adding to and putting together situations using the strategy make a model

Lesson 1.5 Objective: SWBAT understand and apply the additive identify property for addition

Lesson 1.6 Objective: SWBAT explore the commutative property of addition

Lesson 1.7 Objective: SWBAT model and record all the ways to put together numbers within 10

Lesson 1.8 Objective: SWBAT build fluency for addition within 10

Chapter 2 Objective: SWBAT understand subtraction concepts through ten

Lesson 2.1 Objective: SWBAT use pictures to show taking from and find differences

Lesson 2.2 Objective: SWBAT use concrete objects to solve "taking from" subtraction problems

Lesson 2.3 Objective: SWBAT Use concrete objects to solve "taking apart" subtraction problems

Lesson 2.4 Objective: SWBAT solve taking from and taking apart subtraction problems using the strategy: make a model

Lesson 2.5 Objective: SWBAT compare pictorial groups to understand subtraction

Lesson 2.6 Objective: SWBAT model and compare groups to show the meaning of subtraction

Lesson 2.7 Objective: SWBAT identify how many are left when subtracting all or 0

Lesson 2.8 Objective: SWBAT model and record all of the ways to take apart numbers within 10

Lesson 2.9 Objective: SWBAT build fluency for subtraction

Essential Questions

Chapter 1 Essential Question: How can we understand addition concepts through ten?

Lesson 1.1 Essential Question: How can we use pictures to add to?

Lesson 1.2 Essential Question: How can we model adding to?

Lesson 1.3 Essential Question: How can we model putting together?

Lesson 1.4 Essential Question: How can we model problem solving with addition?

Lesson 1.5 Essential Question: How can we add with zero?

Lesson 1.6 Essential Question: How can we model adding in any order?

Lesson 1.7 Essential Question: How can we put numbers together up to ten?

Lesson 1.8 Essential Question: How can we add through ten?

Chapter 2 Essential Question: How can we understand subtraction concepts through ten?

Lesson 2.1 Essential Question: How can we use pictures to show taking from?

Lesson 2.2 Essential Question: How can we model taking from?

Lesson 2.3 Essential Question: How can we model taking apart?

Lesson 2.4 Essential Question: How can we model problem solving with subtraction?

Lesson 2.5 Essential Question: How can we use pictures and subtraction to compare?

Lesson 2.6 Essential Question: How can we subtract to compare?

Lesson 2.7 Essential Question: How can we subtract all or subtract zero?

Lesson 2.8 Essential Question: How can we take numbers apart?

Lesson 2.9 Essential Question: How can we subtract from 10 or less?

Materials

Print Resources

Student Edition Chapter 1

Student Edition Chapter 2

Chapter 1 Resources (including reteach and enrich)

Chapter 2 Resources (including reteach and enrich)

Grab and Go Center Kit

Practice and Homework in Student Edition (lesson checks and spiral reviews)

Connecting Cubes, Counters, vocabulary cards

Math Boards

Technology/ Digital Resources:

-iStudent Edition

-eTeacher Edition

- Interactive Student Edition

-Personal Math Trainer

-Math on the Spot Videos

-HMH Mega Math

-Digital Management System

-Animated Math Models

-iTools

-multimedia eGlossary

- digital assessments

- professional development videos

Achieve the Core:

<http://achievethecore.org/page/2853/go-math-k-5-guidance-documents>

Activities

Vocabulary Reader: Animals in Our World

Project: My Animal Stories

Chapter 1 Activities

Lesson 1.1: use pictures to add to find the sum

Lesson 1.2: model "adding to" addition problems (Vocabulary- addition sentences, is equal to =, plus + sum)

Lesson 1.3: model "putting together" addition problems (Vocabulary- add)

Lesson 1.4: model addition

Lesson 1.5: add zero (Vocabulary- zero)

Lesson 1.6: add in any order (Vocabulary- addends, order)

Lesson 1.7: put together numbers within 10

Lesson 1.8: addition within 10

Chapter 2 Activities:

Lesson 2.1: use pictures to show taking from

Lesson 2.2: model "taking from" subtraction problems (vocabulary- minus, difference, subtraction sentence)

Lesson 2.3: model "taking apart" subtraction problems (Vocabulary- subtract)

Lesson 2.4: problem solving: make a model

Lesson 2.5: use pictures and subtraction to compare (Vocabulary- compare, fewer, more)

Lesson 2.6: hands on- subtract to compare

Lesson 2.7: subtract all or zero

Lesson 2.8: hands on: algebra- take apart numbers

Lesson 2.9: subtraction from ten or less

Other Activities:

[1.OA.A.1 Sharing Markers](#)

[1.OA.B.3 Domino Addition](#)

[1.OA.B.4 Cave Game Subtraction](#)

[1.OA.D.7 Equality Number Sentences](#)

[1.OA.D.8 Kiri's Mathematics Match Game](#)

[1.NBT.A.1 Hundred Chart Digit Game](#)

Assessment

MAP Assessment

-Show What You Know

-Share and Show

-On Your Own Activities

-ThinkSmarter

-Math Journals

-Response to Essential Questions

-Practice and Homework Activities (Lesson Check and Spiral Review for each lesson)

- Diagnostic Interview Task
- Digital Personal Math Trainer
- Lesson Quick Check
- Mid-Point Chapter Checkpoint
- Chapter Review
- Chapter Test
- Performance Assessment Task

Fact Fluency

- Games (Student Edition)
- Fluency Standard Lessons (Student Edition)
- Fluency Builder(Teacher Edition)
- Strategies and Practice for Skills and Facts Fluency- Primary, GK-3
- Teacher Resource Book
- HMH Mega Math
- Personal Math Trainer: Standards Quizzes
- Animated Math Models
- Fastt Math
- Flash Cards
- Mad Minutes
- Xtra Math

Accommodations and Modifications

Materials and Resources that provide opportunities to accommodate and modify include:

*Personal Math Trainer (adaptive assessment and intervention system)

*Interactive Student Edition

*Leveled Quizzes, Tests, and Performance Tasks

*Grab & Go Differentiated Centers

*Intensive Intervention Resource

*Strategic Intervention Resource

*Reteach Activities

*RTI Tiered Resources and Activities

*Math on the Spot Videos

*Extra Math/ Fastt Math

Others/ Notes
