Unit 2

Content Area: **Mathematics**
Course(s): **Mathematics 1**
Time Period: **October**
Length: **25 days**
Status: **Published**

Unit Overview

In unit 2, students will learn to:

- Students will learn various strategies to solve addition and subtraction problems through 20.

Unit skills include:

- Compose and decompose teen numbers
- Add three numbers
- Make a ten to add
- Use a ten to subtract
- Use doubles facts to solve near doubles facts

Priority Standards

MATH.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.
MATH.1.OA.C.6	Add and subtract within 20, demonstrating accuracy and efficiency for addition and subtraction within 10. Use strategies such as counting on; making ten (e.g., 8 + 6 = 8 + 2 + 4 = 10 + 4 = 14); decomposing a number leading to a ten (e.g., 13 – 4 = 13 – 3 – 1 = 10 – 1 = 9); using the relationship between addition and subtraction (e.g., knowing that 8 + 4 = 12, one knows 12 – 8 = 4); and creating equivalent but easier or known sums (e.g., adding 6 + 7 by creating the known equivalent 6 + 6 + 1 = 12 + 1 = 13).

Learning Targets

- Add three numbers
- Compose and decompose teen numbers
- Make a ten to add
- Use a ten to subtract
- Use doubles facts to solve near doubles facts

Essential Questions

- How can I use different strategies to add and subtract within 20?

Materials and Resources

- 100s chart
- Connecting cubes
- Counters
- iReady Learning Path
- iReady Math book
- iReady Math Centers
- Math Games
- Ready Math Program
- Ten Frames
- Whiteboards

Unit Assessments (Required)

- Diagnostic benchmark assessments
- End of Unit tests
- Individual practice activities
- My Learning Path weekly progress
- Teacher observation

Learning Plan (Skills and Activities)

Time Frame	Lesson	Standard	Targets (I can...)
Lesson 6- 5 days	Teen Numbers	1.OA.A.1 1.OA.C.6	• Compose and decompose teen numbers
Lesson 7- 5 days	Add Three Numbers	1.OA.A.1 1.OA.C.6	• Add three numbers
Lesson 8- 5 days	Make a Ten to Add	1.OA.A.1	• Make a ten to add

		1.OA.C.6	
Lesson 9- 5 days	Use a Ten to Subtract	1.OA.A.1 1.OA.C.6	• Use a ten to subtract
Lesson 10- 5 days	Doubles and Near Doubles	1.OA.A.1 1.OA.C.6	• Use doubles facts to solve near doubles facts

Strategies for Multilingual Learners

- Access to manipulatives
- Clarify test directions, read test questions
- Consistent routine
- Continue practicing vocabulary
- Modeling
- Peer partners
- Read directions to student
- Read word problems aloud
- Small group/individual review of prerequisite and current skills
- Use of visuals

Strategies for Students in Need of Intervention

- Access to manipulatives
- Additional time for assignments
- Answers to be dictated
- Concrete examples
- Extra visual and verbal cues and prompts
- Have student restate information
- Instruction on prerequisite skills/spiral review
- Review of directions
- Small group instruction
- Support auditory presentations with visuals
- Varied reinforcement procedures
- Work in progress check

Strategies for Enrichment

- Alternate assignments/ enrichment assignments
- Enrichment projects
- Extension activities
- Higher-level cooperative learning activities
- Pairing direct instruction w/ coaching to promote self directed learning
- Provide higher-order questioning and discussion opportunities
- Tiered centers or assignments

Technology Integration

- 8.1.2.A.1 Identify the basic features of a digital device and explain its purpose.
- 8.1.2.A.4 Demonstrate developmentally appropriate navigation skills in virtual environments (i.e. games, museums).

Interdisciplinary Connections

Connection to Reading: Apply reading comprehension strategies to comprehend word problems.

Connection to Writing: Write word problems that include adding tens and ones or finding ten more or ten less than a number.

Connection to Science: Refer to the scientific method when collecting & interpreting data

21st Century Skills/Career Ready Practices

- CRP1. Act as a responsible and contributing citizen and employee.
- CRP10. Plan education and career paths aligned to personal goals.
- CRP11. Use technology to enhance productivity.
- CRP2. Apply appropriate academic and technical skills.
- CRP4. Communicate clearly and effectively and with reason.
- CRP6. Demonstrate creativity and innovation.
- CRP8. Utilize critical thinking to make sense of problems and persevere in solving them.

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.3	Use a variety of types of thinking to solve problems (e.g., inductive, deductive).
TECH.9.4.2.TL.3	Enter information into a spreadsheet and sort the information.
TECH.9.4.2.IML.1	Identify a simple search term to find information in a search engine or digital resource.
TECH.9.4.2.IML.2	Represent data in a visual format to tell a story about the data (e.g., 2.MD.D.10).
TECH.9.4.2.IML.4	Compare and contrast the way information is shared in a variety of contexts (e.g., social,

academic, athletic) (e.g., 2.2.2.MSC.5, RL.2.9).