Unit 3

Content Area: **Mathematics**
Course(s): **Mathematics 1**
Time Period: **November**
Length: **20 Days**
Status: **Published**

Unit Overview

In unit 3, students will learn to:

- solving word Problems and making comparisons

Unit skills include:

- Solve word problems to 20

- Solve compare problems

- Collect and organize data and represent the data with charts and graph

- Analyze a data set and ask and answer questions about it

- Determine if equations are true or false

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.DL.A.1	Organize, represent, and interpret data with up to three categories; ask and answer questions about the total number of data points, how many in each category, and how many more or less are in one category than in another.

Learning Targets

- Analyze a data set and ask and answer questions about it
- Collect and organize data and represent the data with charts and graphs
- Determine if equations are true or false
- Solve compare problems
- Solve word problems to 20

Essential Questions

- How can I organize information into different types of graphs?
- How can I use different strategies to add and subtract within 20?

Materials and Resources

- Blank Surveys for Students Use
- Counters
- Data Interpretation Independent Activities
- iReady Centers
- iReady Learning Path
- iReady Math book
- iReady Math Program
- number line
- Review games from other units of study
- Tens Frames
- White Boards

Unit Assessments (Required)

- Diagnostic benchmark assessments
- End of Unit tests
- Exit Tickets
- Individual practice activities
- Lesson Quizzes
- Models and pictorial representations
- My Learning Path weekly progress
- Teacher observation

Learning Plan (Skills and Activities)

Time Frame	Lesson	Standard	Targets
Lesson 11- 5 days	Solve Word Problems to 20	1.OA.A.1	Solve word problems to 20

Lesson 12- 5 days	Solve Compare Problems	1.OA.A.1	• Solve Compare Problems
Lesson 13- 5 days	Collect and Compare Data		• Analyze a data set and ask and answer questions about it • Collect and organize data and represent the data with charts and graphs
Lesson 14- 5 days	True and False Equations	1.DL.A.1	• Determine if Equations are true or false

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

iReady MyPath

Reflex

iReady Online Program

- 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).