



MISSISSIPPI

EXEMPLAR

Units & Lessons

MATHEMATICS

Grade 1

Grant funded by:



Lesson 10: Pirates Perform Wrap-Up Tasks

Focus Standard(s): 1.OA.1, 1.OA.2, 1.OA.6, 1.OA.8

Additional Standard(s): 1.OA.4

Standards for Mathematical Practice: SMP.1, SMP.2, SMP.4, SMP.5, SMP.6, SMP.7, SMP.8

Estimated Time: 70 minutes

Resources and Materials:

- Chart Paper
- Colored pencils
- Counters
- Crayons
- Markers
- Number Bonds
- Number Lines
- Part-Part-Whole Models
- Rekenreks
- Ten Frames
- Handout 10.1: Culminating Task – Get Captain Hook Home
- Handout 10.2: Culminating Task Rubric – Get Captain Hook Home

Lesson Target(s):

- Students will complete a culminating task to determine the unknown whole number in addition and subtraction equations, solve word problems for addition and subtraction including unknown-addends, and add and subtraction within 20 demonstrating fluency.

Guiding Question(s):

- What strategy are you using to recall addition and subtraction facts?
- Which strategies are most helpful to you in recalling facts?

Vocabulary

Academic Vocabulary:

- Addition
- Compare
- Difference
- Minus
- Reasonable
- Subtraction
- Sum
- Total

Instructional Strategies for Academic Vocabulary:

- Introduce words with student-friendly definitions and pictures
- Model how to use the words in discussion
- Discuss the meaning of word in a mathematical context
- Create pictures/symbols to represent words
- Write/discuss using the words
- Act out the words or attach movements to the words

Symbol	Type of Text and Interpretation of Symbol
	Instructional support and/or extension suggestions for students who are EL, have disabilities, or perform well below the grade level and/or for students who perform well above grade level
✓	Assessment (Pre-assessment, Formative, Self, or Summative)



Instructional Plan

Understanding Lesson Purpose and Student Outcomes: Students will demonstrate mastery level for adding and subtracting.

Anticipatory Set: Tools and Manipulatives Match

- ✓ Review tools and manipulatives used in this unit. Hold up a tool or manipulative and ask students the name and how it is used.

Activity 2: Culminating Task – Get Captain Hook Home

- ✓ Explain to students that they will show evidence of their mastery of skill by completing a Culminating Task. Explain that Captain Bluebeard needs their help to get his crew safely home. To reach his island, Captain Bluebeard needs to collect 20 gold coins. Every time you complete a problem, Captain Bluebeard gets 4 coins. You must get 5 problems correct to earn 20 coins. You may choose any manipulative or tool to solve the problems. You must show your work and tell which tool and/or manipulative you used.

Distribute **Handout 10.1: Culminating Task** and make manipulatives used this week available to students (SMP.5). Encourage students to use strategies to make sense of the problems and not to give up if it seems too difficult (SMP.1). Remind students that tools include models such as number bonds and models (SMP.4 & SMP.5). Distribute **Handout 10.2: Culminating Task Rubric**, review each level of the rubric, and explain how students will earn the points (SMP.2, SMP.6, SMP.7, SMP.8).

For students who are EL, have disabilities, or perform well below grade level:

- Work with students who have difficulty reading.
- Students will be given a Frayer model and teacher guide through the process of solving.

Reflection and Closing: +, -, Interesting Poster

Students will write on the posters for +, -, and Interesting. Tell students that after they complete the Culminating Task they can write on the + poster something they feel very comfortable doing, on the – poster write something they still are not sure about, and on the Interesting poster write something they find they would like to work with more or something they can use for other activities.

Homework

No homework.

Handout 10.1: Culminating Task – Get Captain Hook Home

Name: _____ Date: _____

Captain Bluebeard has been sailing the seas for 20 months. He and his crew are ready to get home to their treasure island. Captain Bluebeard needs 20 coins to pay for the trip. Help Captain Bluebeard and his crew get home! Earn 4 coins for each problem. Don't forget to show your work and tell which tool you used!

Captain Hook is sailing the ocean looking for treasure.

1. There were 11 pirates on the deck of his ship and 7 pirates below the deck. How many pirates were on the ship?

Show work here:

Coins Earned: 1 2 3 4

List tools/manipulatives here: _____

2. There were 12 pirates on the ship and 5 of them got in trouble and had to walk the plank! After they walked the plank. how many pirates were left on the ship?

Show work here:

Coins Earned: 1 2 3 4

List tools/manipulatives here: _____

3. Captain Bluebeard's parrot, Polly, has colorful feathers. She has 7 blue feathers, 5 red feathers, and 4 yellow feathers. How many feathers does Polly have?

Show work here:

Coins Earned: 1 2 3 4

List tools/manipulatives here: _____

4. First Mate Sid had 9 packs of Goldfish crackers. He gave some of his friends a pack of his crackers. He only has 2 packs of Goldfish crackers now. How many packs of Goldfish crackers did he give to his friends?

Show work here:

Coins Earned: 1 2 3 4

List tools/manipulatives here: _____

5. While he was at sea, Captain Bluebeard's son, Little Bluebeard, collected a seashell for every year his father was away at sea. He has 20 seashells. 13 of them are conch shells and the rest are clam shells. How many of the shells are clam shells?

Show work here:

Coins Earned: 1 2 3 4

List tools/manipulatives here: _____

Handout 10.2: Culminating Task Rubric– Get Captain Hook Home

CATEGORY	4	3	2	1
Accuracy	5 of the problems have no mathematical errors.	4 of the problems have no mathematical errors.	3 of the problems have no mathematical errors.	1-2 of the problems have no mathematical errors.
Neatness and Organization	The work is presented in a neat, clear, organized fashion that is very easy to read.	The work is presented in a neat and organized fashion that is somewhat easy to read.	The work is presented in an organized fashion but may be hard to read at times.	The work appears sloppy and unorganized. It is hard to know what information goes together.
Diagrams and Sketches	Diagrams and/or sketches are clear and greatly add to the reader's understanding of the procedure(s).	Diagrams and/or sketches are clear and somewhat easy to understand.	Diagrams and/or sketches are somewhat difficult to understand.	Diagrams and/or sketches are difficult to understand or are not used.
Manipulatives/Tools	Student demonstrates full understanding of which manipulative/tool is appropriate for each situation.	Student demonstrates some understanding of which manipulative/tool is appropriate for each situation.	Student demonstrates little understanding of which manipulative/tool is appropriate for each situation.	Student demonstrates no understanding of which manipulative/tool is appropriate for each situation.

For training or questions regarding this unit,
please contact:

exemplarunit@mdek12.org