



MISSISSIPPI

EXEMPLAR

Units & Lessons

MATHEMATICS

Grade 1

Grant funded by:



Lesson 5: Talk Like a Pirate

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

Standards for Mathematical Practice: SMP.1, SMP.2, SMP.3, SMP.5

Estimated Time: 70 minutes

Resources and Materials:

Materials:

- 12" squares of material to make bandanas – 1 per student
- Elastic thread – about 12" for each eye patch
- Handout 3.7: Word Wall Games
- Handout 5.1: Find the Hidden Treasure Game Board
- Handout 5.2: Find the Hidden Treasure Game Pieces
- Handout 5.3: Find the Hidden Treasure Game Cards
- Handout 5.4: Pirate Eye Patch
- Handout 5.5: Hidden Treasure Homework
- *Pirate Pete's Talk Like a Pirate* by Kim Kennedy

Lesson Target(s):

- Students will use addition and subtraction to solve problems within 20.
- Students will justify the reasonableness of their answers and explain their strategies.

Guiding Question(s):

- How can you tell from a word problem when to add or subtract (how many spaces to move)?
- How to you go about deciding if an answer is reasonable?

Vocabulary

Academic Vocabulary: Refer to the word wall frequently.

- 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 add and subtract to solve problems to 20.

Anticipatory Set/Introduction to the Lesson: Talk Like a Pirate

Dress like a pirate and read *Pirate Pete's Talk Like a Pirate* by Kim Kennedy to the class as they are gathered on the carpet. Tell students it's Pirate Day and they will dress like a pirate, too. Print and cut out **Handout 5.4: Pirate Eye Patch**. Assemble the eye

patches with elastic thread, put them on the students, and tie a pirate bandana on each student. Tell students they will be pirates for a day.

Activity 1: Practice Makes Perfect

- Hold up 3 numeral cards and have students state an addition equation of 2 addends and the sum using the 3 numbers. For example, hold up 15, 12 and 3. Students will say $3 + 12 = 15$. Do several of these (SMP.2).

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

- Students to use manipulatives to find sums, such as Rekenreks, ten frames, counters and number bonds.

Extensions for students with high interest or working above grade level:

- Have students roll 3 number cubes and add 3 numbers instead of 2.

Activity 2: Vocabulary

Use **Handout 3.: Word Wall Games** to play a game to review vocabulary terms.

Activity 3: Find the Hidden Treasure Game

Prior to the lesson, print, cut out and assemble **Handout 5.2: Find the Hidden Treasure Game Pieces** and print and cut out **Handout 5.3: Find the Hidden Treasure Game Cards**. Explain to students that they will play a game with a partner to find Pirate Pete's hidden treasure. Distribute **Handout 5.1: Find the Hidden Treasure Game Board**. Allow each student to choose a game piece. Explain that they will move along the game board as they solve equations listed on the game cards and the first pirate to reach the hidden treasure is the winner. Tell them to check each other's work for accuracy (SMP.3).

Direct students to place the game board between them, put their game markers on the Start mark, place the game cards face down between the 2 players, and the tallest player will go first. On a player's turn, the player draws the top card from the game card stack and turns it over. The player will calculate the answer to the equation and the other player will check the work (SMP.6). The player

will move ahead that many spaces. If a player draws a “Go Back” or “Move Ahead” card, the player moves back or forward the number of spaces indicated. If a player lands on a “Lose a Turn” space, they lose their next turn. The next player will choose the top card in the stack and complete the calculation as the first player did. Play continues until one player reaches the treasure. If a student gets the wrong answer, they lose their turn (SMP.1).

Students may choose to use manipulatives, but they must choose the manipulative for themselves, do not give them out (SMP.5).

Activity 4: Exit Ticket

- Students will complete the following exit ticket:

$$8 + 9 = \underline{\quad}$$

$$6 + 7 = \underline{\quad}$$

$$3 + 14 = \underline{\quad}$$

$$5 + 15 = \underline{\quad}$$

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

- Students can use manipulatives to find sums, such as Rekenreks, ten frames, counters and number bonds.

Extensions for students with high interest or working above grade level:

- Solve $8 + \underline{\quad} = 18$ and $\underline{\quad} + 12 = 19$

Reflection and Closing: Writing

- ✓ Review lesson with students. Students can work with a partner to summarize the lesson in two to three sentences. Students will detail the process of adding or the game for the summary. Students will share summaries with the class.

Homework

Distribute **Handout 5.5: Hidden Treasure Homework** and tell students to complete the equations.

Handout 5.1 – Find the Hidden Treasure Game Board

The game board is a light blue rectangle with a path of blue circles. At the top left, a pirate ship with a parrot is on a cloud labeled "START". At the bottom right, a treasure chest with a palm tree is on a cloud labeled "FINISH". The path consists of 20 blue circles. Action cards are placed in some circles: "Take the Shortcut Me Matey!" (top row, 4th and 8th circles), "ARRGH! Lose A Turn!" (middle row, 3rd and 6th circles), and "Shiver me Timbers! Go Forward 3 Paces!" (right side, 10th circle). The title "Treasure Hunt" and subtitle "Help the pirates find their treasure!" are repeated in the center.

Graphics from Pigi Web Studio www.pigwebstudio.com Activity by Jewell Alcorn www.arazyspeechworld.blogspot.com

START

Take the Shortcut Me Matey!

Take the Shortcut Me Matey!

ARRGH! Lose A Turn!

ARRGH! Lose A Turn!

Shiver me Timbers! Go Forward 3 Paces!

Treasure Hunt

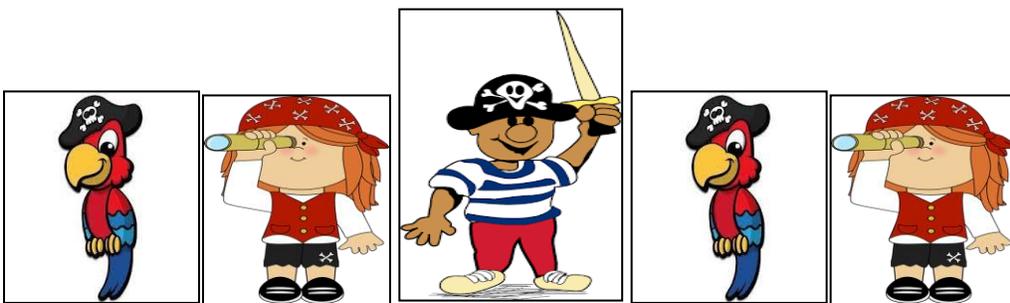
Help the pirates find their treasure!

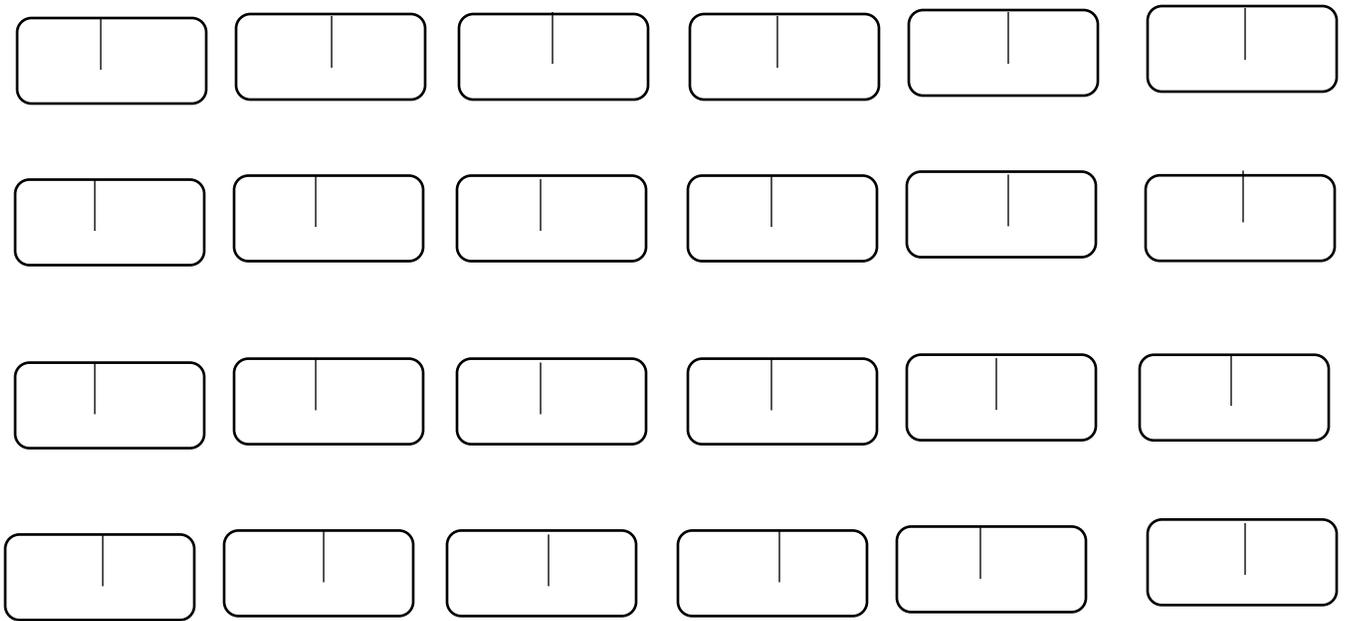
Treasure Hunt

Help the pirates find their treasure!

FINISH

Handout 5:2 Find the Hidden Treasure Game Pieces





Directions for game marker stands:

- Print both pages on card stock
- Cut out rectangular game markers (see previous page)
- Cut out rectangular game marker stands
- Cut a slit on the line of each stand
- Cut a corresponding slit on each game marker – make sure both slits are the same length)
- Slide the stand slit into the game marker slit so they form right angles
- Adjust the stand so the game marker stands alone

Handout 5.3: Find the Hidden Treasure Game Cards

<p>Pirate Pete ate 8 fish and his parrot ate 3 fish. How many fish did they eat all together?</p>	<p>Pirate Sam walked 12 steps North and 5 steps East. How many steps did he walk?</p>	<p>Cookie gave Pirate Tyrone 9 pears and Pirate Joe 6 pears. How many pears did Cookie give the pirates?</p>
<p>Pirate Stinky has 12 gold coins and 6 silver coins. How many coins does Pirate Stinky have?</p>	<p>Pirate Sara has 4 smelly socks and 9 clean socks. How many socks does she have?</p>	<p>Pirate Angel buried 10 treasure chests. Pirate Zack buried 1 treasure chest. How many treasure chests did they bury?</p>
<p>Pirate Kaylin caught 11 sharks on Monday and 7 sharks on Tuesday. How many Sharks did she catch?</p>	<p>Pirate Carlos found 5 diamonds and Pirate J'auerius found 8 diamonds. How many diamonds do they have all together?</p>	<p>On his treasure map, Pirate Ra'shad marked 6 paces to the South and 7 paces to the East. How many paces did he mark on his map?</p>
<p>Captain Johmaya had 7 pirates in her crew. Today 4 more pirates joined her crew. How many pirates are in Captain Johmaya's crew?</p>	<p>Pirate Robbie and Pirate Macaiah each have 6 treasure maps. How many treasure maps do they have all together?</p>	<p>Pirate Akeelah caught 5 king crabs and 7 blue crabs. How many crabs did she caught?</p>
<p>Go Back 4 spaces</p>	<p>Jump ahead 3 spaces</p>	<p>Go Back 5 spaces</p>

Handout 5.4: Pirate Eye Patch



Handout 5.5: Hidden Treasure Homework



Name _____

Date _____

Find the sums.

1) $2 + 4 =$ _____

2) $7 + 5 =$ _____

3) $4 + 6 =$ _____

4) $12 + 5 =$ _____

5) $13 + 7 =$ _____

6) $16 + 1 =$ _____

7) $9 + 8 =$ _____

8) $10 + 10 =$ _____



For training or questions regarding this unit,
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