



MISSISSIPPI
EXEMPLAR
Units & Lessons
MATHEMATICS

Grade 2

Grant funded by:



Lesson 12: Superheroes Save the Day

Focus Standard(s): 2.NBT.1, 2.NBT.3

Additional Standard(s): 2.NBT.2, 2.NBT.4, 2.NBT.5, 2.NBT.7, 2.NBT.9

Standards for Mathematical Practice: SMP.2, SMP.6, SMP.7

Estimated Time: 2-3 days

Resources and Materials:

- Handout 12.1: Superheroes Save the Day
- Student rubric
- Teacher rubric

Lesson Target(s):

- Students will use their knowledge of place value and place value strategies to add 3-digit numbers without regrouping.

Guiding Question(s):

- When do I add 3-digit numbers together?


Vocabulary

Academic Vocabulary:

- Difference
- Expanded Form
- Mental Math
- Place Value
- Place Value Form
- Standard Form
- Sum
- Written Form

Instructional Strategies for Academic Vocabulary:

- Introduce words with student-friendly definition and pictures
- Model how to use the words in discussion
- Read and discuss the meanings of words in a mathematical context

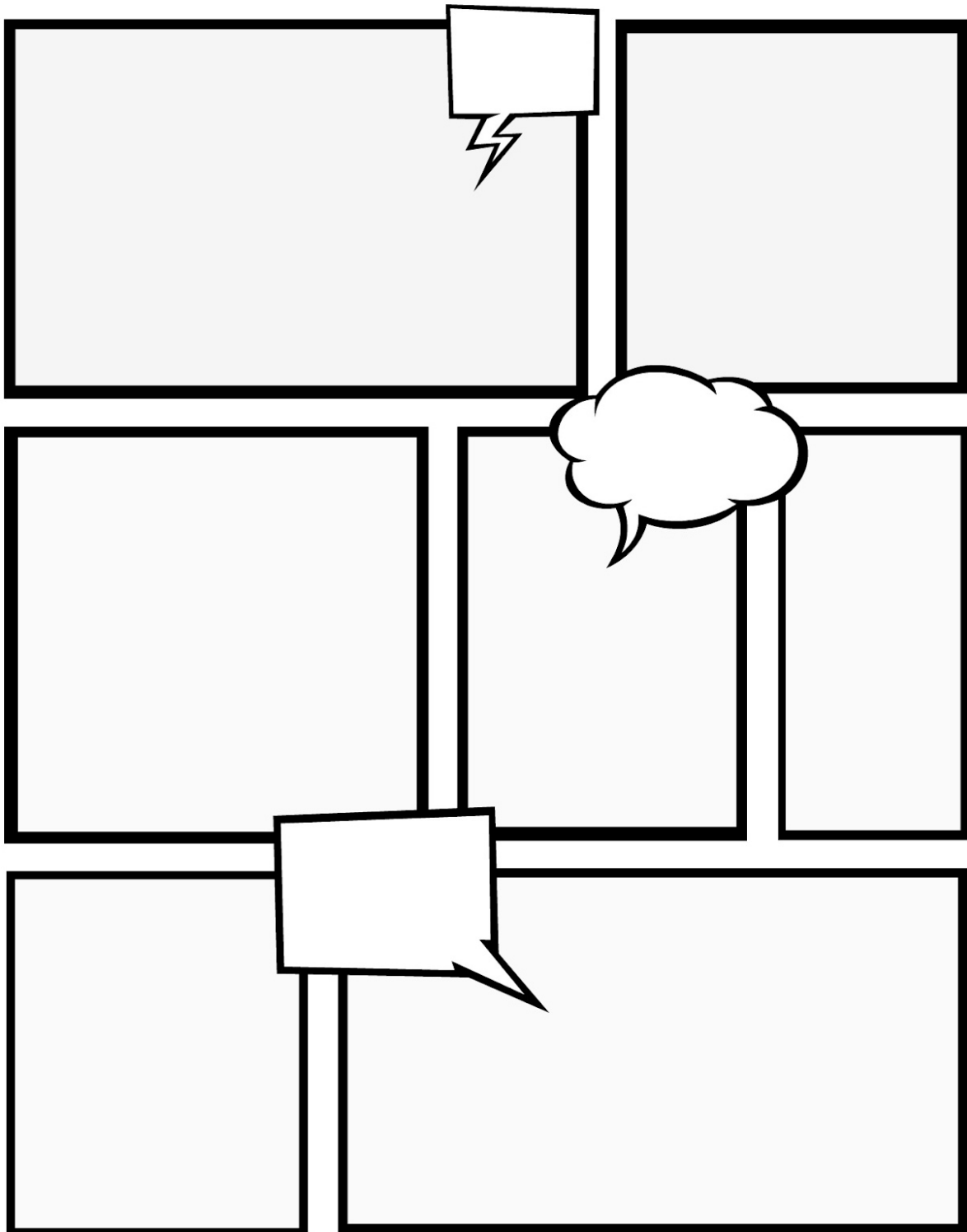
Symbol	Type of Text and Interpretation of Symbol
	Instructional support and/or extension suggestions for students who are EL, have disabilities, or perform well below the grade level and/or for students who perform well above grade level
✓	Assessment (Pre-assessment, Formative, Self, or Summative)
Instructional Plan	
<p>Understanding Lesson Purpose and Student Outcomes: Students will be able to add and subtract three-digit numbers by using an algorithm that is connected to a model or other strategy. Likewise, students will use algorithms to add and subtract using place value and explain the process of composing and decomposing numbers with and without regrouping.</p> <p>Activity 1: Performance Task</p> <ul style="list-style-type: none"> ✓ Distribute Handout 12.1: Performance Task and Handout 12.2: Performance Task Rubric. Explain to students that they will create a comic strip about a superhero who has to solve an addition problem using 3-digit numbers in order to defeat a villain. Your comic strip must have a hero, a villain, and something or someone to be rescued. It will show numbers modeled with base ten blocks and a place value mat. The comic strip must include numbers written in standard form, expanded form, and number word form. The addition in the comic strip must be demonstrated with the standard algorithm, using base ten blocks, using a number line, and with expanded notation. Review all components of the rubric and discuss any misconceptions and answer any questions. <p>Note: This activity may take several days to complete.</p> <div style="border: 1px solid gray; padding: 10px; margin: 10px 0;"> <p>For students who are EL, have disabilities, or perform well below grade-level:</p> <ul style="list-style-type: none"> • Give students two 3-digit numbers and work with them to help organize their ideas. </div> <p>Reflection and Closing: Lead a classroom discussion and allow students to provide feedback on the performance task.</p>	

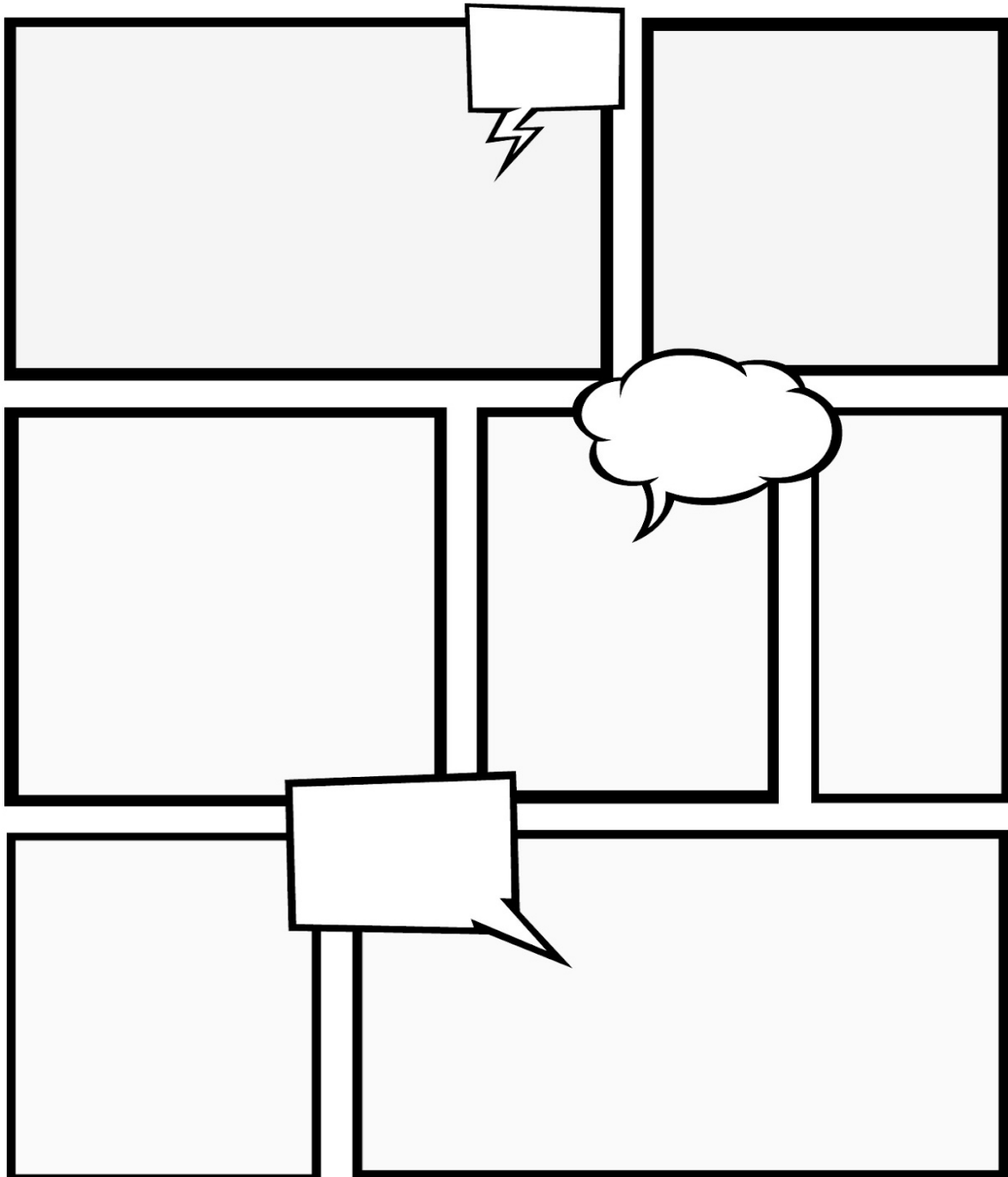
Homework

No homework given.

Handout 12.1: Superheroes Save the Day**Name:** _____**Date:** _____

Directions: Create a comic strip with a superhero who has to solve an addition problem using 3-digit numbers in order to defeat a villain. Your comic strip must have a hero, a villain, and something or someone to be rescued or saved. It will show numbers modeled with base ten blocks and a place value mat. The numbers will be written in standard form, expanded form, and number word form. The addition in the comic strip must be demonstrated with the standard algorithm, using base ten blocks, using a number line, and with expanded notation. You will be provided a rubric for grading purposes. SAVE THE DAY!





For training or questions regarding this unit,
please contact:

exemplarunit@mdek12.org