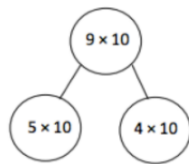


West Wing Third Grade Syllabus

Math- Eureka

Properties of Multiplication and Division and Solving Problems with 2-5 and 10

In this first module, we build on second grade knowledge of addition and work toward greater fluency. We will also be building arrays (arrangements of a set of objects organized into equal groups in rows and columns), and setting the stage for multiplication and division.

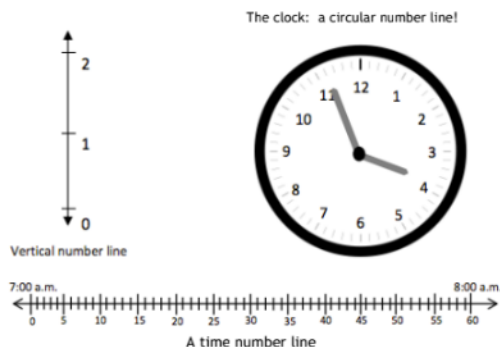


A number bond illustration of the Distributive Property:

$$9 \times 10 = (5 \times 10) + (4 \times 10)$$

Place Value and Problem Solving with Units of Measure

This module will tie our place value learning to some real-world work with measurement using the metric system. Students will also work on telling time and solving problems relating to elapsed time.



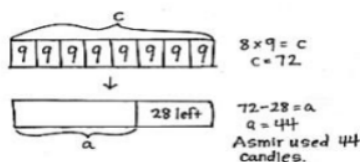
Multiplication and Division with Units of 0, 1, 6–9, and Multiples of 10

In this module, we will go deep into our learning about these two related operations. Students will practice their math facts to become fluent, and will learn several strategies for multiplying and dividing numbers.

Module 3 Sample Problem

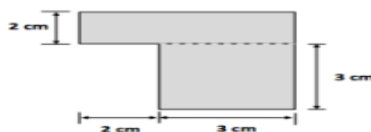
Asmir buys 8 boxes of 9 candles for his dad's birthday. After putting some candles on the cake, there are 28 candles left. How many candles does Asmir use?

(Example taken from Lesson 11)



Multiplication and Area

In this module, students explore area as an attribute of two-dimensional figures and relate it to their prior work with multiplication. Students will build understanding that a 2x6, 1x12, and 3x4 rectangle each have the same area, and will learn how to calculate the area of a floor plan of their own design.

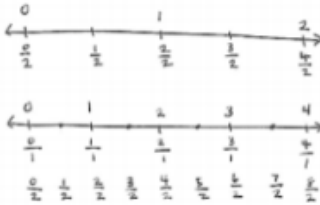


Toward the end of this module, students will learn how to calculate the area of an irregular shape like this one by looking at the area of the rectangles within the shape.

Fractions as Numbers on the Number Line

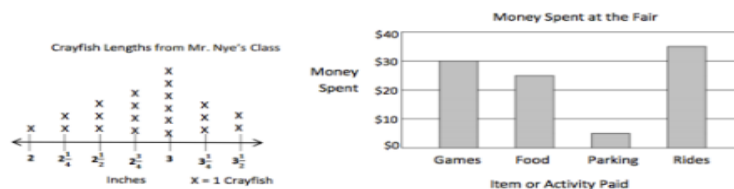
In this module, students extend and deepen 2nd grade practice with “equal shares” to understanding fractions as equal partitions of a whole. They formalize their knowledge as they work with area models and the number line.

Students will learn to partition number lines into fractional parts, renaming whole numbers as fractions.



Collecting and Displaying Data

In Module 6, we build on Grade 2 concepts about data, graphing, and line plots. We focus on generating and analyzing different types of data. By the end of the module, students are working with a mixture of scaled picture graphs, bar graphs, and line plots to problem solve using categorical and measurement data.

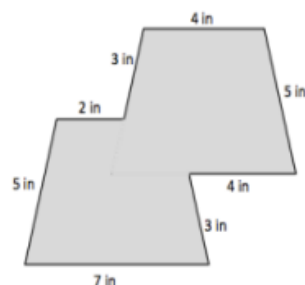


Students will learn when a line plot or a bar graph is a more appropriate way to display data.

Geometry and Measurement Word Problems

In Module 7, students will get intensive practice with word problems, as well as hands-on investigation experiences with geometry and perimeter. Students will solve one- and two-step word problems, classify shapes based on their attributes, study perimeter and area, and end with a review of Grade 3 fundamental skills.

Students are asked to find the perimeter of shapes in Module 7.



Students are also asked to classify shapes; for example, is this shape an octagon? Why or why not?

ELA: Reading and Writing

<p style="text-align: center;">Phonics/Spelling</p> <ul style="list-style-type: none"> ● Short vowels ● Long vowels ● Three letter blends ● Soft g and c ● Silent letters ● Ch, tch ● Vowel diphthongs ow, ou, oi, oy, oo ● Vowels au, aw ● Homophones ● Contractions ● R-controlled vowels ● Compound words ● Abbreviations ● Irregular Plurals ● Prefixes/Suffixes, ed, ing ● Ough, augh ● tion, sure, ture ● Double consonants ● Le, al, el 	<p style="text-align: center;">Grammar</p> <ul style="list-style-type: none"> ● Simple/Compound Sentences ● Common and Proper Nouns ● Plural Nouns ● Verbs ● Using Commas ● Abstract Nouns ● Pronouns ● Quotation Marks ● Subject/Verb Agreement ● Adjectives and Articles ● Adverbs ● Possessive Nouns ● Abbreviations ● Contractions ● Prepositional Phrases 	<p style="text-align: center;">Comprehension</p> <p><i>Reading is Thinking</i></p> <p>Strategies:</p> <ul style="list-style-type: none"> ● Making Connections ● Make and Confirm Predictions ● Asking Questions ● Visualizing ● Inferencing <p>Strategies and Skills:</p> <ul style="list-style-type: none"> ● Main Idea/Central Idea ● Supporting Details ● Point of View ● Fact and Opinion ● Compare and Contrast ● Cause and Effect ● Drawing Conclusions ● Synthesizing ● Monitoring and Clarifying ● Theme ● Literary Elements ● Figurative Language ● Text and Graphic Features ● Retell/Summarize ● Sequencing ● Ideas and Support ● Elements of Drama ● Author's Craft ● Author's Purpose ● Identify Claim
<p style="text-align: center;">Fluency</p> <p>The goal for third grade is to read 114 words in a minute on a grade level reading passage with 98% accuracy.</p>	<p style="text-align: center;">Vocabulary</p> <ul style="list-style-type: none"> ● Prefixes/Suffixes ● Context Clues ● Shades of Meaning ● Synonyms/Antonyms ● Multiple Meaning Words ● Latin/Greek Roots ● Homographs/Homophones ● Analogies ● Compound Words 	<p style="text-align: center;">Writing</p> <p>Narrative</p> <ul style="list-style-type: none"> ● Friendly Letter ● Personal Narrative ● Imaginative Story <p>Informational</p> <ul style="list-style-type: none"> ● Descriptive Essay ● Expository Essay ● Research Report <p>Opinion</p> <ul style="list-style-type: none"> ● Persuasive letter ● Argumentative Essay

Social Studies:

Unit 1:

Arizona Today - Geography and people in Arizona

Unit 2:

Arizona's First Inhabitants - Mogollan, Ancestral Puebloans and Hohokam tribes.

Unit 3:

Colonial Arizona - Settlement and change in Arizona, Westward Expansion, and the new nation

Unit 4:

Arizona Statehood - Statehood of Arizona, Arizona seal, world war I, II, and the new deal

Unit 5:

Arizona's Future - Current events, law, rights and voting

Science:

Unit 1:

Light - Investigate how light is seen and create a model to describe how light and sound waves transfer energy.

Unit 2:

Sound - Plan and carry out an investigation to explain sound waves and create a model to describe how light and sound waves transfer energy.

Unit 3:

Earth's System - Construct an explanation describing how the Sun is the primary source of energy impacting Earth systems.

Unit 4:

Biosphere - Explain how the sun is the primary source of energy of Earth by creating a model to show how organisms depend on energy from the Sun. Prove that organisms need each other.

Unit 5:

Structure and Function of Organisms - Model structural adaptations of a plant/animal use it to explain how structures help a plant/animal survive.

Unit 6:

Stimulus/Response - Plan and carry out investigations to show how plants/animals respond to the environment.