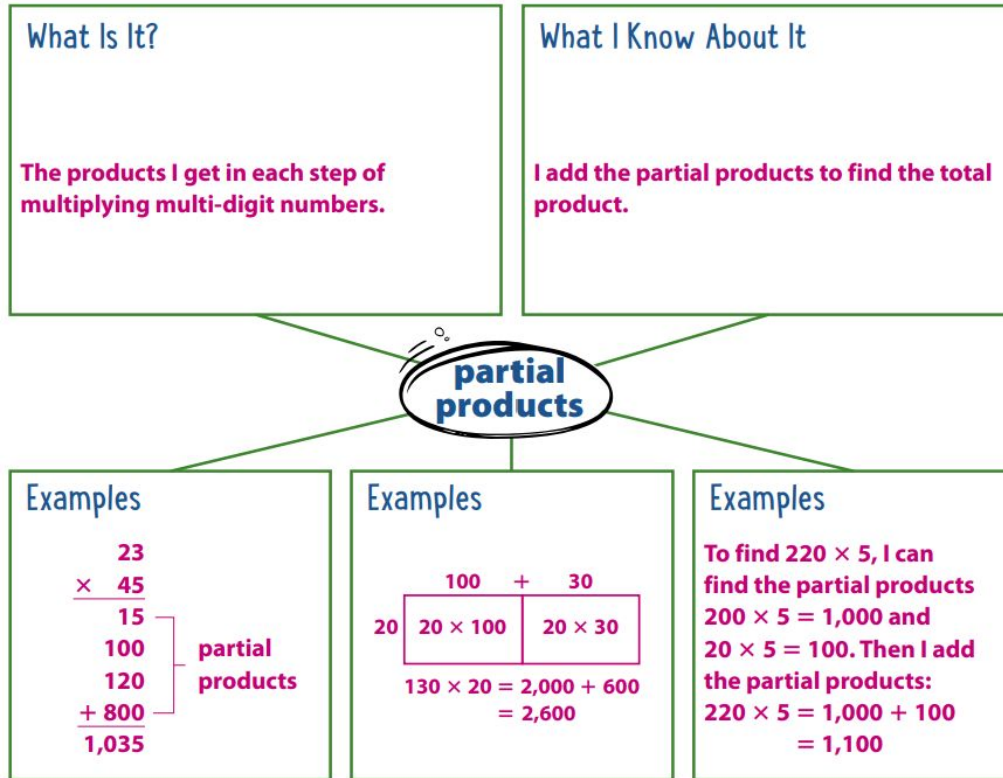


Lesson 4: Multiply Multi-Digit Numbers

Strategies:



Vocabulary:

Math Vocabulary

distributive property when one of the factors of a product is written as a sum, multiplying each addend by the other factor before adding does not change the product. For example, $3 \times 12 = (3 \times 10) + (3 \times 2)$.

Review the following key terms.

algorithm a set of routine steps used to solve problems.

factor a number that is multiplied.

partial products the products you get in each step of the partial-products strategy. You use place value to find partial products. For example, the partial products for 124×3 are 3×100 or 300, 3×20 or 60, and 3×4 or 12.

product the result of multiplication.

Academic Vocabulary

reasonableness the quality of making sense.

sketch a drawing that is done quickly in order to give a general idea.

standard regularly and widely used; generally accepted.

Use an area model to show partial products.

To find the product 128×35 , sketch a rectangle with dimensions 128 by 35.

128 is $100 + 20 + 8$.

35 is $30 + 5$.

	100	+	20	+	8
30	$30 \times 100 = 3,000$		$30 \times 20 = 600$		$30 \times 8 = 240$
+					
5	$5 \times 100 = 500$		$5 \times 20 = 100$		$5 \times 8 = 40$

First row: $3,000 + 600 + 240 = 3,840$

Second row: $500 + 100 + 40 = 640$

Students will learn the Standard algorithm (regular way) of Multiplication this year, just not quite yet.

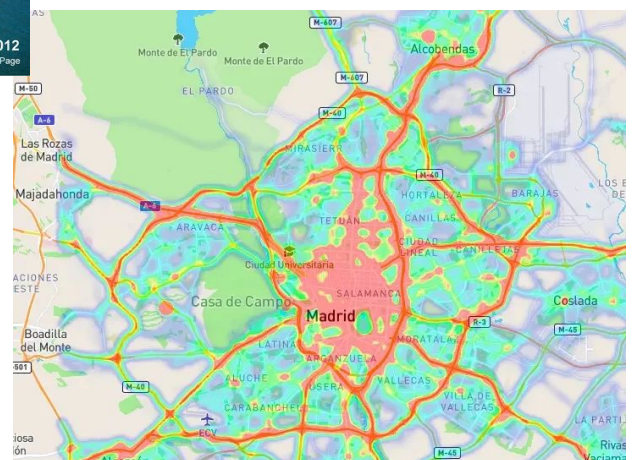
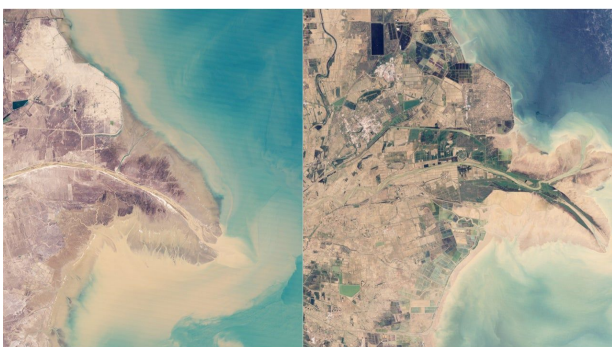
5th grade Science

Earth and Its Changes Over Time:

- We are learning to create/develop models to illustrate how changes in surface features are caused by constructive and destructive processes.
- We are learning to ask questions to obtain (get) information on how technology is used to limit and/or predict constructive and destructive processes.

Vocabulary:

earthquake, epicenter, fault, flood forecasting, GIS map, landslide, moraine, mountain, mudslide, plate tectonics, rockslide, satellite imagery, seismology, sinkhole, tectonic plates, terracing, volcanic island, volcano



Below are the stories, reading skills & strategies, vocabulary words, and spelling skills that we will be studying this week. We look forward to diving in!



Big Idea Words

prose dialogue
climax foreword

Essential Question

How does genre affect the way a story is told?

Reading Skills & Strategies



Literary Elements: the characters, setting, and plot

Synthesize: changing your thinking based on what you know plus what you have learned

Text and Graphic Features: features used to organize the text like headings, captions, maps, and graphs

Figurative Language: the figures of speech that compare or exaggerate including similes, metaphors, and idioms

Characters: the people, animals, or creatures in a story that can think, feel, and act

Texts



- Many Ways to Tell a Story
- AirBorn

Vocabulary Words

panic	a feeling of strong fear leaving someone unable to think clearly
densely	covered so thickly it is difficult to see through
projected	appeared to be real but is not
favorable	gives a benefit or contributes to success
reasonable	logical and easy to understand
contents	topics or subjects included
porthole	a small, round window on a ship
delirious	confused due to fever or illness
deficiencies	weaknesses or flaws

Spelling Skills

Words with prefixes:

post-
fore-

Words with suffixes:

-ment
-ness

Homework for August 31-September 4

1. Monthly Reading Log - Fill in the book you read each night, how long you read and have a parent sign each day. (Due at the end of the month)
2. Weekly Math Sheet - Multiply Multi-Digit Whole Numbers (front) and Multiplication Facts (back).
 - a. Please read ALL directions carefully and use the examples provided to complete.
 - b. If your child needs help and you are not sure how to help them, they may come and ask Mrs. Norton for help with homework during our morning work time 7:30am-8:00am.
 - c. Front and back are due completed by Friday, September 4.
3. Weekly Reading Comprehension - Read the article "Black Cowboys of Texas" and answer the comprehension questions using complete sentences. Completed questions are due completed by Friday, September 4.