Use an Area Model to Multiply Multi-Digit Numbers with Decimals

Name _____

Review

Decompose the factors by place value. Use this to set up your area model to find the product.

$$36 \times 2.9 = (30 + 6) \times (2 + 0.9)$$

30

6

2	2 × 30 = 60	2 × 6 = 12
0.9	$0.9 \times 30 = 27$	$0.9 \times 6 = 5.4$

$$36 \times 2.9 = 60 + 12 + 27 + 5.4 = 104.4$$

Use an area model to solve.

Use an Area Model to Multiply Multi-Digit Mumbers with Decimals

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The product is

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Explore Multiplication of Decimals

Name ____

Review

Representations are a helpful tool when solving multiplication problems involving decimals.

$$4 \times 0.7 = 2.8$$







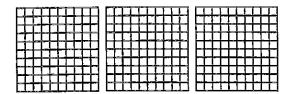
Shade 7 columns of the grid 4 times.

$$0.4 \times 0.3 = 0.12$$

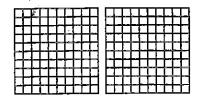


Shade 4 rows of the grid, then shade 3 columns of those rows.

Use a decimal grid to help you solve each equation.

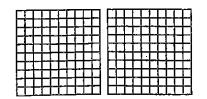


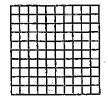






3.
$$0.25 \times 7 =$$

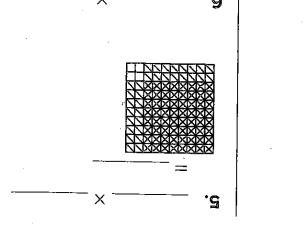




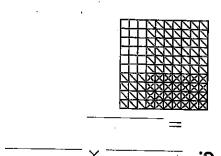
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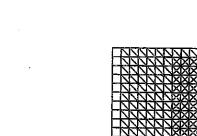
Explore Multiplication of Decimals

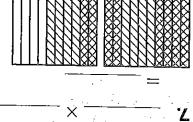
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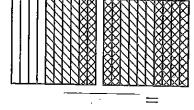
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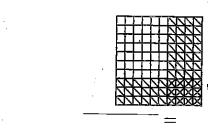






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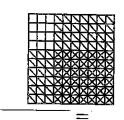


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Conflict Over North American Lands

Cross-Curricular Focus: History/Social Sciences

The Age of Exploration lasted from the early 15th century until the middle of the 17th century. During this time period, European nations explored the world by sea. They wanted to trade goods with other people to make a profit. They also wanted to find shorter routes to their existing trade partners. Some adventurers wanted to find out information about the world. Cartographers were constantly revising maps based on the latest travels. Through the maps and journals of explorers, people of the known world improved their knowledge of geography.

Spain was the first European nation to claim land in the Americas in the 1560s. They were eager to get as much land as possible for Spain. Much of Mexico, South America, and Florida once belonged to Spain. England wanted to claim its share as well, arriving in North America in 1607. France claimed land in the area that is now Canada. Settlers from the Netherlands claimed the area that is now New York. The Spanish began claiming Californian land. They built the first mission in 1769 on the site that became the city of San Diego.

Why was there so much interest in the Americas? Many Native Americans were already living in the Americas. The area was rich in desirable resources. European nations valued the many raw materials that seemed to be in never-ending supply in North America. The English discovered tobacco, a crop that would finance the success of the early colonies. The Dutch from the Netherlands made a lot of money in the fur trade. They sold beaver furs at trading posts that were established along commonly traveled river and land routes. Spain claimed gold and silver from Aztec resources in Mexico.

With so many valuable resources to be had, there were many conflicts over North American lands. Colonies founded by different countries were located near each other. There were disagreements and fears between the settlers. Wars were fought to control areas that were particularly rich in resources. Native Americans were caught between the warring colonists. They were often seen as obstacles to be conquered.

Name:
Answer the following questions based on the readin passage. Don't forget to go back to the passage whenever necessary to find or confirm your answers
Why did European nations send out so many explorers during the Age of Exploration?
2) Why do you think French is spoken in some parts of Canada?
3) Who were the early settlers of New York?
4) Which European nation was the first to claim land in the Americas?
5) Why were the Americas so desirable to the Europeans?

Cross-Curricular Reading Comprehension Worksheets: E-18 of 36

Patterns When Multiplying Decimals by 0.1 or 0.01

Name _____

Review

You can use patterns to help you multiply decimal numbers by 0.1 or 0.01.

Note: Multiplying by 0.1 is the same as multiplying by $\frac{1}{10}$, and 0.01 is the same as multiplying by $\frac{1}{100}$.

 $72 \times 0.1 = 7.2$

 $7.2 \times 0.1 = 0.72$

← The digits shift one place to the right.

 $7.2 \times 0.01 = 0.072$ \leftarrow The digits shift two places to the right.

1. 8.3 is _____ of 83.

2. 3.67 is _____ of 367.

Find the product using patterns.

$$8.3 \times 0.1 =$$

$$3.67 \times 0.1 =$$

$$3.67 \times 0.01 =$$

$$5.8 \times 0.01 =$$

- 7. Sarah has enough string to cut 15.5 lengths of 0.1 meter each to make bracelets. What is the total length of her string?
- 8. In a timed race, a track team runs 28.6 laps around the field at 0.1 mile per lap. How far did the team run?
- 9. Kyle has enough liquid to fill 23 test tubes for his science experiment. If a full test tube of liquid weighs 0.01 kilogram, how much does all the liquid weigh?
- 10. During a fundraiser, members of a team jumped rope for 182.5 minutes combined. Ms. Sanders said she would donate \$0.10 per minute they jumped. How much money did she donate? Differentiation Resource Book

Lesson 6-3 · Extend Thinking

Patterns When Multiplying Decimals by 0.1 or 0.01

3°

The crew of a fishing boat unloads their catch at the dock and posts a list of what they have available to sell.

Catch List

(dl) theisW	Ιλbe
860'l	Tuna
2,756	nomis2
988	Lobster
422	Shrimp

1. One vendor wants to buy $\frac{1}{10}$ of each catch. How many pounds does he buy of each type?

hold $\frac{10}{10}$ of each type. How much of	each type is in each crate?
He asks for the items he bought t	be divided into crates that each
:nomie2	Shrimp:
	Lobster:
tadfa uana va fa	

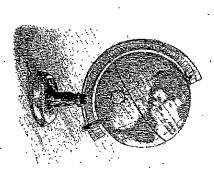
Salmon:

Second Vendor wants to buy 1 of the least of the

 $\frac{3}{3}$. A second vendor wants to buy $\frac{1}{100}$ of the total amount of lobster that was caught. How many pounds does he buy? How does this compare to the amount the first vendor bought and then put in each crate? Explain.

Christopher Columbus's before him, was to find five ships and about 270 men. His mission, like Magellan hoped that there was a way. route through the American continents to Asia. big the world really was or if there was an easy Islands in southeastern Asla. No one knew how a way across the Atlantic Ocean to the Spice In 1519, Magellan set sall from Spain with

take over the fleet. When they reached South disliked Magelian. They wanted to kill him and America, Magellan was able to stop them, but On his five ships were many men who



one of the ships, the one with most of the supplies, turned back to Spain. Another ship was destroyed in a storm.

gone, the decision to cross the Pacific had been a big mistake. unexplored ocean. He named the ocean the way around South America and into a new, they saw land again. With most of their supplies Pacific, since it seemed peaceful compared to thought that it would only take three days to wrong about how blg this ocean was. He the Atlantic. Unfortunately, Magellan had been traverse it. Instead, it was over 98 days before With just three ships left, Magellan found a

men became very sick with scurvy and died weren't any fresh fruits or vegetables, many rats. There was little water. Since there also forced to eat leather, sawdust, ox hides, and When the crew ran out of food, they were

natives were friendly, and there was plenty of Philippine Islands on March 28, 1521. The finish the famous voyage he'd begun. war and was killed on April 27. He wouldn't food. But Magellan became involved in a tribal To his crew's relief, Magellan reached the

inal five ships actually made it around the world and back to Spain. The trip had taken three long had become the first people ever to sail around years. When they crawled onto land, the mer Only 18 of the 270 men and one of the orig-

CD-4321 Explorers: High-Interest Nonfiction

Carson-Deliose

Feldmand Wagellan

- Choose a good title for this story.
- B. Battle in the Philippines A. Exploring the Pacific
- The Voyage Around the World
- Eating Sawdust
- Answer the following questions

What ocean did Magellan name?

had.to eat when supplies ran low? What were some of the things the crew

circling the world? How many ships returned to Spain after

Pacific? How long did it take Magellan to cross the

Number the following events in the order they happened.

ယှ

- Eighteen men crawled onto shore in
- storm, One of the ships was destroyed in a
- Magellan reached the Philippine Islands
- Food supplies ran low in the Pacific.

Magellan reached South America

What was the worst thing you've ever eaten?

What does the word traverse mean in the story?

4

- A. To carry
- 8. To write about
- To cross
- D. To circle
- Why do you think Magellan was wrong about how big he thought the Pacific was?
- B. No one knew exactly how large the Eartl A. He liked to take chances
- C. He didn't look at his maps.
- He didn't care.

Magellan's crew had to eat Write about how it compares to what

8

Patterns When Multiplying Decimals by 10 or 100

Name _____

Review

You can use patterns to help you multiply decimal numbers by 10 or 100.

$$3.9 \times 1 = 3.9 \leftarrow$$
 The digits don't shift.

$$3.9 \times 10 = 39 \leftarrow$$
 The digits shift one place to the left.

$$3.9 \times 100 = 390 \leftarrow$$
 The digits shift two places to the left.

Find the product using patterns.

$$6.7 \times 10 =$$

$$5.26 \times 100 =$$

by 10 or 100 by 10 or 100

Name

The table shows the prices for a bakery supply store.

92i19	Bakery Ingredients
Z1:1\$	Edda (qozeu)
06.0\$	Flour (lb)
\$2.55	Milk (gal)
7 9.0\$	Sugar (lb)

Perfect Pastries is restocking their ingredients to prepare for a busy month. They need to buy 100 dozen eggs, 200 pounds of flour, 10 gallons of milk, and 30 pounds of sugar.

Complete the order form with how many to buy and the total price for each ingredient.

	Total Price \$112.00	Quantity 001	Bakery Ingredients
a distribution		200	Flour (lb)
			Milk (gal)
			Sugar (lb)

Explain how you can use multiplying a decimal number by 10 to find the total cost of the sugar. Show your work.

Ponce de León

León. Ponce liked the New World so much that hen Columbus made his second trip to the New World, one of the sailors he took with him was named Ponce de

he decided to return and stay there.

called it the Fountain of Youth. to turn an old man into a young man. They mystical place they'd found. It had the power natives on the island were talking about a Ponce started hearing a strange story. The Spanish governor of the Island. It was here that he called Puerto Rico. He soon became the In 1508, Ponce started a colony on an island

only would the water make him forever young, magical fountain interested him greatly. Not but the natives said that there was gold near the Ponce de León was getting old, and this

be found on an island called Bimini, Ponce They agreed, as long as he paid for the trip. government If they would let him search for it. thought he could find it. He asked the Spanish They sald that the Fountain of Youth could

León named It Florida. later, they came upon a new place. Ponce de hoping to find this magical island. A month In 1513, he purchased three ships for the journey. They departed and headed northwest,

set foot in Florida. Ponce dldn't find the men returned to their ships. Believing that Fountain of Youth, however. Disappointed, the days. It was the first time that a European had He and his men searched the shore for six



Florida was a big Island, Ponce tried to sail around it. Still, the Fountain of Youth was nowhere to be found.

opened the door to the European settlement of wounded him. They sailed to Cuba where he Native Americans attacked them, and an arrow Florida. He set out again for Florida with 200 that Ponce was to be the first governor of Ponce de León returned to Puerto Rico. He told the king of Spain about the new land he'd had eluded him, but Ponce de León had died from his injuries. The Fountain of Youth settlers to start a colony. When they landed, discovered. A few years later, Spain declared

35

(1460-1521)

Ponce de León

- Choose a good title for this story A. The History of Florida
- C. Puerto Rico B. The Search for the Fountain of Youth
- Magic Places
- Answer the following questions.

Fountain of Youth? Why did Ponce de León want to find the

What landform did Ponce de León think Florida was?

wounded with an arrow? Where was Ponce de León when he was

Who did Ponce de León sail with first to the New World?

- Number the following events in the order they happened
- Ponce de León sailed to the New World for the first time
- Ponce de León heard a story about a arrow. Ponce de León was wounded by an
- magic fountain. Ponce de León explored Florida.
- Ponce de León became governor of Puerto Rico

- What does the word mystical mean in the
- A. Having magical qualities
- Far away
- Covered in darkness
- D. Lost long ago
- Why do you think the Native Americans attacked Ponce de León when he landed in Florida?
- A. They thought he was someone else.
- B. They were protecting the Fountain 으
- 6. He was invading their land
- They didn't have a reason

BOTHS

its water? What would it be like to live forever? Write a story about what you would do if you found the Fountain of Youth. Would you drink

© Carson-Dellosa

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Super-Journal Week 2:4

Every night, you should be reading at least 30 minutes of whatever book you have checked out from your assigned reading list. Tape or glue (but do not staple) this sheet into your Super-Journal on the left-side page. Fill in the table below every day by recording the required data.

Day	Title	Start Pg.	End Pg.	Parent Sign.
Monday				
Tuesday				
Wednesday				
Thursday				
Friday				-
Saturday		٠		
Sunday				

On the right-side page of your Super-Journal, answer two of the questions below throughout the week. Be sure that the questions you choose to answer go with the appropriate type of book (Fiction or Nonfiction). The Super-Journal is due on the first day after the weekend (usually Monday). To earn credit for your journal entry, you must respond in at least five complete sentences per response and use specific evidence from the text to support your claim based on what you've read this week.

NOTTON

- 1. How does the author organize the text? Does the author use description, sequence compare and contrast, cause and effect, or problem and solution to tell the story? Use evidence from the text to support your answer.
- 2. What is the main idea of this chapter?

NONFICTION

- 1. Explain what is happening in the text.
- 2. What is the main idea of this text?

1.25/R113

Super-Journal Week 2:4

Every night, you should be reading at least 30 minutes of whatever book you have checked out from your assigned reading list. Tape or glue (but do not staple) this sheet into your Super-Journal on the left-side page. Fill in the table below every day by recording the required data.

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On the right-side page of your Super-Journal, answer two of the questions below throughout the week. Be sure that the questions you choose to answer go with the appropriate type of book (Fiction or Nonfiction). The Super-Journal is due on the first-day after the weekend (usually Monday). To earn credit for your journal entry, you must respond in at least five complete sentences per response and use specific evidence from the text to support your claim based on what you've read this week.

FICTION

- 1. How does the author organize the text? Does the author use description, sequence, compare and contrast, cause and effect, or problem and solution to tell the story? Use evidence from the text to support your answer.
- 2. What is the main idea of this chapter?

NONFICTION

- 1. Explain what is happening in the text.
- 2. What is the main idea of this text?

tr.2.5/RI.1.

Estimate Products of Multi-Digit Numbers with Decimals

Name	N. Committee of the com

Estimate the product of each expression by rounding. Then match up the estimates that are equal. The first one is done for you as an example. Show your work.

•		•
Column A		Column B
3.72×5.6		5.74 × 7.7
4 × 6 = 24		
5.9 × 7.81		5.9 × 5.18
4.13 × 5.1		10.67 × 4.2
·		
10.98 × 2.3		3.9 × 4.62
3.2 × 11.41		5.93 × 4.1
·		$6 \times 4 = 24$
5.71 × 4.8		7.1 × 6.11
3.62 × 10.8		7.43 × 8.1
6.44 × 7.4	:	1.89 × 11.2
8.2 × 6.91		10.61 × 2.8
	100 mm (100 mm) (100	

Numbers with Decimals Estimate Products of Multi-Digit

Name

Review

Estimate the product 5.8×10.23 to the nearest whole number.

.3 of ti brinoi lliw ew oz, 6.5 < 8.6

Lesson 6-1 - Reinforce Understanding

SA naawtad si 28.7 x 1.2.8 os $.08 = 8 \times 7$ bns $$24 = 7 \times 8$$

10.2 < 10.5, so we will round it to 10.

 $6 \times 10 = 60$, so we will estimate the product 5.8 \times 10.23 to be 60.

Estimate each product by rounding to the nearest whole number.

77.7 × 27.98 .E

£9.31 × 31.05 .₽

you. Show your work. Estimate each product by finding a range. The first one is done for

88.8 × 44.11 7

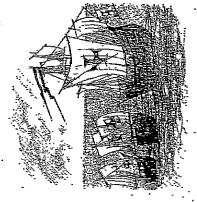
Et.21 × 91.8 .8

.9d bns

987 X 12.9 .8

7. 782 × 514

8.4 × 7.23



e was the eldest son of a wool weaver in ²⁰ Il would follow in his father's footsteps. But Christopher Columbus surprised them all and Genoa, Italy, Everyone expected that he decided to become a sallor. After salling to many different lands, Columbus wanted to find a new, easier route to wanted in Europe. Rather than sail around India and Asia, India had spices that were Africa, he thought he could sail across the Atlantic Ocean and reach Asia. He didn't know hat the American continents were in the way."

Columbus needed money for the trip. He asked many people for help, but they thought that what he wanted to do wasn't a good Idea. No one mew of anyone who had sailed across the Atlantic before, Finally, King Ferdinand and Queen isabella of Spain gave film the money he needed. Columbus propared three ships, the Santa Marla, the Pinta, and the Niña for the voyage. Explorerel High-Interest Nonifolion

C. Caraon-Dollose

The ships started their voyage in 1492, They Columbus, Many of them were afraid. They weren't sure if they'd make it back home alive. Life onboard the small ships was tough, too. The was bad, and the long days at sea were usually boring. About ninety men salled with crew had to sleep on the wet floor, and their clothes were almost always soaked. The food were tlny wooden boats about as long as tenni

Columbus thought he had reached Asia, but he After three months at sea, land was finally spotted on October 11, The crew was relleved was wrong, He had found America. No one knows which Island in the Carlbbean the three ships found. But the crew soon met the native inhabitants who were friendly. They traded gifts with the men. Columbus called them Inclians because he thought they had found the Indies, which were Islands near Asia.

After three months of exploring the nearby Islands, Columbus set sall for Spain, When he returned, he told the king and queen about his adventures. Columbus was a hero. They called him the "Admiral of the Ocean Seas," Columbus would return to America three more times. Still, he believed that it was Asia that he'd found. He never knew that he had discovered a New World and changed the Old World forever.

Histopher Columbus

- Choose a good title for this story. A. The Santa Marla
- B. The Voyage that Changed the World
 - C. Life at Sea D. Meeting the Indians
- Answer the following questions.

What did Columbus's father do for a living?

What were the names of Columbus's three shipsi

Who gave Columbus money for his voyage? How long was,his crew at sea before they saw land?

Number the following events in the order they happened.

Columbus returned to Spain.

Columbus's crew saw land.

Columbus bought three ships.

Columbus became a sallor.

Columbus returned to America,

What does the word inhabitants mean in the story?

A. People who lived in a certain area

- B. Sallors
- C. Hunters D. People who built boats

Why do you think Columbus was finally A. They hoped he would find America. given money for his voyage?

B. They hoped he'd attack their enemies.

C. They wanted to upset Columbus. D. They hoped he would succeed and make

Spain rich,

Bontus

what you think it would have been like to sall. Maria with Columbus. Write a story about Imagine that you are a sallor on the Santa with him to America for the first time.

AZALEA ELEMENTARY – PURCHASE REQUISITION

Please attach any documentation you may have to ensure accuracy in placing your order.

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□ VEN	IDOR (If	vendor,	completely	fill out the	e starred (*) l	ines below)					
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Please attach any documentation you may have to ensure accuracy in placing your order.

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*CATA	LOG ((include P	age #s/Disco	unt code)		*WI	EBSITE ADDI	ŒSS	· · · ·	
		a shopp:	ing cart or	obtair • quote •	ed PRIOR to th with quanti	ie issuance c ity, item :	f a Purchase Ou numbers, de	ler number. e scriptior	,	written approval must be g charges for any curacy.
QTY:	ITEM/	/STOCK #	ITEM DESC	RIPTION:	(include catalog	#, brand, mo	del, color, size, or	discount)	PRICE EACH	TOTAL AMOUNT
									\$	\$
								·		
									. *	
										
	<u> </u>									
*SHIPP	ING AN	ID HANDI	ING Please c	alculate th	is amount to the	e best of you	r knowledge.	,	*SHIPPING	\$
Bookkeep	oer will	adjust if ve	ndor/contract	waives ship	pping and hand	ling.	-		TOTAL	\$
Funding	Source	: I plan to	use the follow	ing fund i	for this order					
							-			erendum funds, etc.)
MANAT	ΓΕΕ (Sc	hool Intern	al Funds) Som	'ce:		-	(ex. Adopt a	Class, Book	Fair, Fundraisers,	Field Trip collections, etc.)
Staff Sig	nature			Date		-	Class/Club Offic	cer Signatur	e Date	
For Offi	ce Use (Only	1		,				r	 -1
TERMS	S	Fund	Function	Object	Cost Center	Project	Sub Project	Program	Requisition Nur	nber
MANAT	 'EE:				0111	<u> </u>				
		e:			Account Numbe	er:		Requisition 1	Vumber (office us	e only):
ADMI	NISTR	ATOR SIG	GNATURE:				- DAT	ric.		·