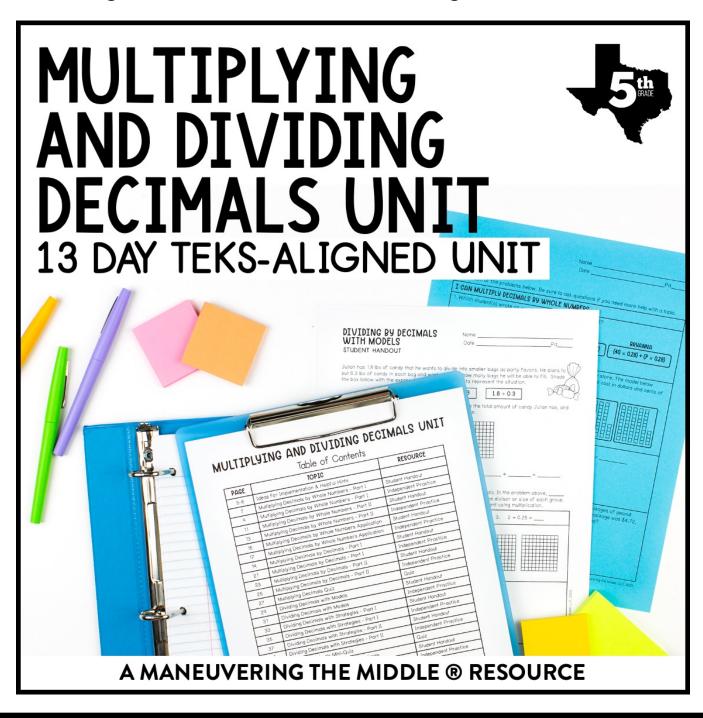
learning focus:

- multiply decimals to the hundredths by whole numbers using models and strategies
- multiply and divide decimals by whole numbers using models
- multiply and divide decimals by decimals using strategies and the standard algorithm



MULTIPLYING AND DIVIDING DECIMALS



a 13 day TEKS-aligned unit TEKS: 5.3A, 5.3D, 5.3E, 5.3F, 5.3G

ready-to-go, scaffolded student materials

MULTIPLYING AND DIVIDING DECIMALS UNIT

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TEKS

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MULTIPLYING AND DIVIDING DECIMALS -



a 13 day TEKS-aligned unit TEKS: 5.3A, 5.3D, 5.3E, 5.3F, 5.3G

student friendly + real-world application

A grasshopper jumps 1.2 feet wit arting point after 3 jumps?	th each jump. How far away is the gra	sshopper from hi	s		60	n c o r	a + c	
STIMATE:	MODEL AND SOLVE:					ncep	J15	
#5-6, estimate the produc	MULTIPLYING DECIMAN WHOLE NUMBERS — POSTUDENT HANDOUT	ALS BY Nar ART I Da	me te		i			
2.4 × 3 TIMATE:	The school store sells a variety of er bought 3 erasers. The expression at that Shay spent.			0.32 + 0.32 +	0.32			
ODEL AND SOLVE:	a. Write another expression that cou	uld be used to repi	resent the total Sha	y spent.				
-	b. Use the picture below to determine	the total amount	MULTIPL	YING DECI	MUTS BA	Name		
oply your understanding of Mrs. Rowe asked her stud rcle the name of the stude	When multiplying a decimal by a whol process of repeated addition. In #1-3 sketch a model to solve. The model in	s, estimate the	INDEPENDE	S — PART : NT PRACTICE blem below. Matc		Datein the table to solv	ve the riddle.	Pd
ELLIOT	1. 0.8 × 2 ESTIMATE :	MODEL	8.7 × 5.9		5 Ms. Lee used 2.2 yards of fabric to cover a small bulletin board. She used 3.1 times the amount of fabric to cover a large bulletin board as she did the small bulletin board. How much fabric did she use to cover the large bulletin board?			
Lana purchased cookies a uation shows how to find $2 \times 70 = 140.00$ $2 \times 0.70 = 1.40$	2. 5 x 0.4 ESTIMATE :	MODEL	Lina was able raspberry le	nold holds 2.7 oun to fill 12.6 popsio monade. How ma monade did Lina popsicle molds?	ole molds with ny ounces of	6	31.8 × 0.4	
2 x 7 = 14.00 2 x 0.70 = 0.14	3. 0.26 × 3 ESTIMATE :	MODEL (3	3.8 × 7.1		Ernesto used 1.9 packets of sugar in his coffee. Each packet of sugar contains 3.5 grams of sugar. How many grams of sugar di Ernesto use in his coffee?		
			A waffle recipe uses 31.2 grams of baking powder. A pancake recipe uses 1.4 times the amount of baking powder as the waffle recipe. How many grams of baking powder does the pancake recipe use?		8 3.9 × 51.1			
			E: 43.68	L: 34.02	N: 68.2	B: 199.29	W: 1.272	D: 66.5
f-checl	kina		T: 6.65	S: 12.72	A: 26.98	C: 19.929	M: 51.33	I: 6.82
actice	9	7	WHE	RE DO MULT	IPLICATION	I PROBLEMS	EAT BREAKF	127?

A MANEUVERING THE MIDDLE® RESOURCE

MULTIPLYING AND DIVIDING DECIMALS -



a 13 day TEKS-aligned unit TEKS: 5.3A, 5.3D, 5.3E, 5.3F, 5.3G

unit study guide + assessments

DIVIDING WITH FRACTIONS QUIZ	Name Date	Pd	√ quiz	zzes	
Answer the questions below. Be sure to show the quotient. 16 $\div \frac{1}{8} = \underline{\hspace{1cm}}$	Ansv your work. Ansv 1. 2. 3.	wers	√ edit	able u	unit test
2. What is the quotient of $\frac{1}{11}$ + 13? a. 143 b. $\frac{1}{143}$ c 3. Fill in the missing value in the expressi $3 \div _$	MULTIPLYING AND DIVIDING FRACTIONS UNIT REVIEW Solve each of the problems below. Be solve each of the problems and 1. $5 \times \frac{2}{q} = $ 2.	bure to ask question $\frac{2}{3} \times 6 = $	SERS. 3. What is $\frac{3}{11}$ of 5?	pic.	
Answer the questions below. Be sure to 4. A chef has a piece of pasta dough that inches wide. He cuts it into pieces that article each 1/5 of an inch wide to make fettuccin noodles. How many fettuccini noodles cat chef make from one piece of pasta doug a. 20 b. 200 c. 45 d. 800 6. Two students drew models to represer situation? a. Mel only b. Rodrigo only c. Both Mel and Rodrigo d. Neither Mel nor Rodrigo	4. Use the model to fill in the blank to the expression, and then find the pro	WITH N STUDENT Keenan buys divide evenl a. Fill in ear values. b. Shade th model to	NG DECIMALS MODELS HANDOUT s a 1.8-pound package of pre-made y onto 3 plates. Use this information th blank of the speech bubble at the e model below to represent the tota help you sketch the amount that he TOTAL:	e right with the correct Il amount of lasagna that K. Will put onto each plate. EQUAL CI	"How can I divide 1.8 into 3 groups?" eenan has. Then use the ROUPS:
	7. Mrs. Patterson had several family the model below represents how muc a. Write an expression to represent cereal remaining in the boxes. b. Determine the solution.	Models can very 1.8 representation r	sion problem below, use base ten mo ne total can be divided equally amor	roblems involving decimals unt and 3 represent	. In the problem above, led the divisor or amount first. Next, ar quotient.
answer ke included	eys	3. 2.46 ÷ 2	= 1.23		©Manesvering the Middle LLC, 2023