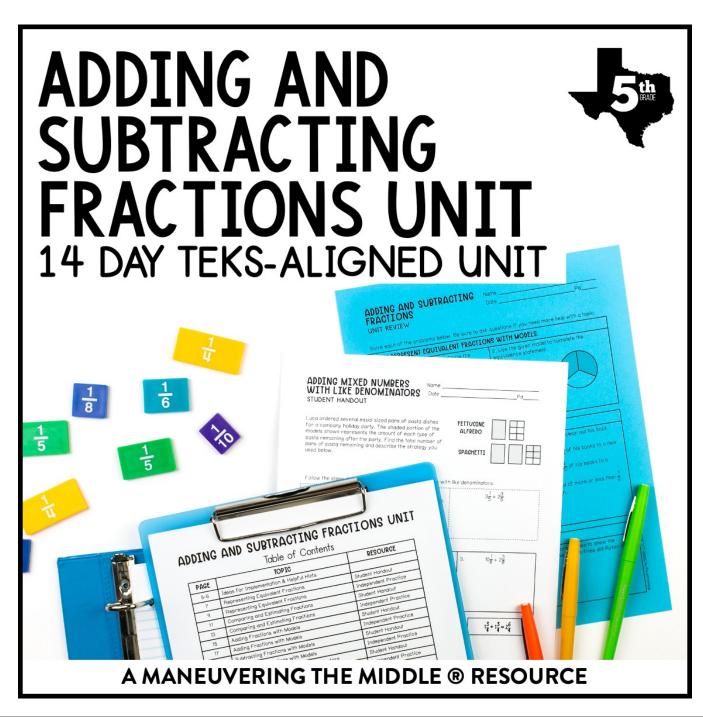
learning focus:

- add and subtract fractions less than one using models
- add and subtract fractions less than one with unlike denominators
- add and subtract mixed numbers with like and unlike denominators in real-world situations



ADDING AND SUBTRACTING FRACTIONS



a 14 day TEKS-aligned unit

TEKS: 5.3H, 5.3K

ready-to-go, scaffolded student materials

ADDING AND SUBTRACTING FRACTIONS UNIT

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TEKS

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ADDING AND SUBTRACTING FRACTIONS



a 14 day TEKS-aligned unit

TEKS: 5.3H, 5.3K

S

student friendly + real-world application

SUBTRACTING MIX WITH LIKE DENON STUDENT HANDOUT			'd		ffolde cepts
	nbers, when subtracting mixed nu parts to find the difference. Use				-
SUBTRACTING MIXED NUMBERS WITH LIKE DENOMINATORS	Consider the values of the and regroup the mixed number if necessary. Subtract amount. Simplify if needed.	First $4\frac{3}{5} - 3\frac{1}{5}$			
1. Armando needs to solve	$2\frac{1}{4} - 1\frac{3}{4}$ and draws an area mode				
	whole numbers and then tries to be use the model of $\frac{1}{4}$ to subtract				
described below. WHEN TO REGROUP MIX		the first value before solv REGROUP MIXED NUME om the whole number. Rew	UNLIKE DENOMINATO INDEPENDENT PRACTICE Find the difference on each card the letters of those six cards to cr	: below. Six of the cards have a solution	
	ction whole as a f	raction with the same denoration with the fraction $\frac{1}{3} = \frac{1}{3}$	3 8	4	5 10
In #1-3, rewrite the subtrol 1. $5\frac{1}{6} - 3\frac{5}{6}$	2. $4\frac{2}{q} - 1\frac{5}{q}$	First mixed number. Do not $3. 7\frac{2}{5} - 3\frac{3}{5}$		S	N
			3 – 3 7	14/15 - 15	11 - 2 12 - 3
					A
16 1	1 •		Tanner put $\frac{8}{4}$ tablespoon of caranhis ice cream. Dylan used $\frac{1}{3}$ tables than Tanner. How much caramel : Dylan put on his ice cream?	three days of th	otal of 2 miles during the fine week. She walked $\frac{2}{5}$ mile lile on Monday. How many ratus Tuesday?
lf-che actice	•	7	P		Æ
			SECRET CODE:		-

A MANEUVERING THE MIDDLE® RESOURCE

ADDING AND SUBTRACTING FRACTIONS -



a 14 day TEKS-aligned unit

TEKS: 5.3H, 5.3K

unit study guide + assessments

ADDING AND SUBTRACTING FRACTIONS	NamePd_	quizzes
Answer the questions below. Be sure to show 1. Which of the following equivalence statem are represented by the model shown at the right in the rinterval in the right in the right in the right in the right in th	ents 1.	✓ editable unit tes
a. I only b. II only c. I and II 2. Mrs. Cohen asked her students to write two fractions. Which student(s) wrote a comparing to the student of the student	ADDING AND SUBTRACTING FRACTIONS UNIT REVIEW Solve each of the problems below. Be sure to I CAN REPRESENT EQUIVALENT FRACT 1. Four students drew a model. Circle the	DatePd
Answer the questions below. Be sure to 3. Draw a model to solve $\frac{1}{4} + \frac{3}{5}$. 5. Shai and Darrell shared a basket of to of the tortilla chips that each person ate. SHAI DARRELL What fraction of the tortilla chips did Shared a. $\frac{5}{12}$ b. $\frac{5}{4}$	I CAN COMPARE AND ESTIMAT 3. Circle the name(s) of the students wrote a correct inequality statement JOHN BROOKE $\frac{3}{7} < \frac{5}{14}$ $\frac{3}{7} + \frac{1}{3} > \frac{1}{2}$ $\frac{5}{6}$	SUBTRACTING FRACTIONS WITH MODELS STUDENT HANDOUT Nadia hosted an appreciation luncheon for the teachers at Riverbend Elementary. After the luncheon, there was \frac{1}{2} of the turtle cheesecake remaining and \frac{1}{3} of the chocolate cheesecake remaining. Use the models shown below to answer a-c. a. Which flavor has more left over? Turtle cheesecake b. Nadia wants to find the difference in the amounts remaining. What changes need to be made to the models before she can subtract the values? She needs to split the models into the same number of parts. c. Use the models to find the difference. \frac{1}{2} - \frac{1}{3} = \frac{1}{6} Similar to addition, fractions must be renamed with a common denominator before subtracting. Follow the steps outlined below to use area models to find a common denominator and visualize the difference of fractions with unlike denominators. SUBTRACTING FRACTIONS WITH AREA MODELS \[\text{Answer Key} \text{Date} \text{Pd} \text{Answer Key} \text{Pd} \text{Pd} \text{Pd} \text{Cheenedate}
ınswer ke	BYRON	1. Create an area model for each fraction. (Note: Use vertical lines for one model and horizontal lines for the other.) 2. Divide each fraction model by the other fraction's denominator 3. Find the equivalent fractions represented and subtract the fraction amounts. 8 3 5 12 12 12 For #1-3, use the area models to rename the fractions with a common denominator and find the difference. 1. 1 2 5 2 4 5 3 3 5 7 12
ncluded		X X X X X X X X X X X X X X X X X X X