Name:	Teacher:	School:			
Grade 5: Lesson #6	Subtracting Fractions with	Unlike Denominators using Bar Models			
Remember: In our le end of the bolt so it This problem is very	esson Paul was buying difference can hold things together. Pau similar to the problem we did	_			
_		ys a nut that is 1/4 inch wider and a nut that is 1/4 inc Iths of the two nuts she buys?			
<ul> <li>For each of the following:</li> <li>Write out the multiples of each fraction's denominator and circle the common multiple. This will be the common denominator.</li> <li>Draw a fraction bar model for each fraction to show the equivalent fractions using that common denominator.</li> <li>Then subtract.</li> </ul>					
	ltiples of 8:,,				
	ltiples of 2:,,				
Models:					
3. $\frac{5}{6} - \frac{1}{4}$ Mul	ltiples of 6:,, ltiples of 4:,,	, Answer:			
Models:					

Sourced from Curriculum Associates

Name:	Teacher:	School:
Grade 5: Lesson #7 Subtractin	g Fractions with Unli	ke Denominators
For #1, find the common deno solve.	minator and use the I	number line method to find equivalent fractions and
1. Emily's shelf is $\frac{3}{4}$ foot wide.	Her clock is $\frac{2}{3}$ foot wi	de. How much wider is her shelf than her clock?
Multiples:		
Common denominator:		
Work to find equivalent fraction		
Answer:		
For #2-3, show how you found number line method you used		inator and the work for either the bar method or the actions and to subtract.
2. What is $\frac{9}{10} - \frac{3}{5}$ ?		3. What is $\frac{7}{8} - \frac{1}{6}$ ?
Multiples:		Multiples:
Common denominator:	_	Common denominator:
Work to find equivalent fraction	ons and solve:	Work to find equivalent fractions and solve:
Answer:		Answer:
Sourced from Curriculum Asso	ciates	

Name:	Teacher:	School:

## **Grade 5: Lesson #8 Subtracting Mixed Numbers**

Subtract. Show your work for each problem.

Remember: In our lesson, we modeled the mixed numbers using fraction bars, subdivided the models using a common denominator, and regrouped an addend if necessary.

1. 
$$2\frac{1}{8} - \frac{1}{4}$$

$$2.2\frac{1}{8} - \frac{1}{2}$$

$$3.2\frac{1}{8} - \frac{3}{4}$$

$$4.7\frac{2}{5} - 3\frac{1}{2}$$

$$5.5\frac{3}{8}-4\frac{1}{6}$$

 ${\bf 6.\ What\ patterns\ did\ you\ notice\ in\ problems\ 1\ through\ 3?\ Explain\ how\ this\ helped\ you\ subtract.}$ 

Name:	Teacher:	School:
Grade 5: Lesson 9	Subtracting Mixed Numbers v	vith Unlike Denominators
For #1, find the consolve.	mmon denominator and use the	e number line method to find equivalent fractions and
1. Carter's sister is	$17\frac{1}{2}$ years old. Carter is $2\frac{1}{2}$ years	ars younger than his sister. What is Carter's age in
years?	3 2	
Multiples:		
Common Denomin	nator:	
Show work for find	ling equivalent fractions and sol	ve.
Answer:	_	
	w you found the common denor od you used to find equivalent fr	minator and the work for either the bar method or the ractions and to subtract.
2. Mackenzie's foc	otprint is $\frac{7}{12}$ foot long. Her	3. The sum of $4\frac{1}{2}$ and what number is $2\frac{5}{7}$ ?
dad's footprint is 1	$1\frac{1}{6}$ feet long. How much	_
longer is Mackenz	ie's dad's footprint than	Multiples:
Mackenzie's?		
Multiples:		Common Denominator:
·		Work for finding equivalent fractions and solve.
Common Denomin	nator:	
	quivalent fractions and solve.	
J		
Answer:	_	Answer:
Sourced from Curr	iculum Associates	

## Grade 5: Lesson 10 Use Benchmark Fractions to Add and Subtract Fractions in Word Problems

1. Ricci and his brother Lorenzo both have practice for an upcoming karate tournament. Ricci practices for 3/8 of an hour and Lorenzo practices for 3/4 of an hour. Which brother practices for a longer time? Compare both numbers to the benchmark fraction 1/2.



2. Use the number line from problem #1 to compare each fraction to 1/2. Write each fraction in the correct box.

8	4	4	8	4	8	8	
Less than $\frac{1}{2}$			Equal to $\frac{1}{2}$		Greater than $\frac{1}{2}$		

3. You can also use the number 1 as a benchmark. Use the fractions in the box. Write each fraction that is: