

Lesson 2: Converting between Mixed Numbers and Improper Fractions							
1.	Draw a picture to represent each number.						
	a) 1 ³ / ₄	b) $2\frac{1}{2}$	C) $\frac{6}{4}$	d) $\frac{7}{2}$			
2.	Write each improper fraction as a mixed number.						
	a) ⁹ / ₄	b) $\frac{7}{3}$	C) $\frac{18}{5}$	d) $\frac{21}{2}$			
	e) $\frac{7}{4}$	f) $\frac{15}{2}$	g) $\frac{27}{5}$	h) ^{<u>18</u>} / ₄			
3.	Write each mixed number as an improper fraction.						
	a) 3 ¹ / ₄	b) 1 ⁷ / ₈	c) $2\frac{3}{5}$	d) $4\frac{1}{2}$			
	e) $1\frac{2}{3}$	f) $5\frac{1}{6}$	g) 10 ² / ₇	h) 3 ² / ₅			
4.	The baseball team ordered 4 pizzas. Each pizza was cut into 8 equal slices. The team ate a total of 27 slices.						
	a) How many slices of pizza were there altogether?						
	b) How many pizzas were eaten?						
	c) How many pizzas were left over?						
5.	Sam has 27 dimes. Does he have more or less than \$2?						
6.	Nicki has $3\frac{7}{8}$ pies left in her café. The whole pies are cut into eighths. To how many people can Nicki serve a slice of pie? Draw a picture to show your solution.						
7.	Suppose you have 18 quarters. How many more quarters will you need to make \$5?						

Lesson 3: Comparing Mixed Numbers and Improper Fractions							
1.	 For each pair of numbers below: Place the two numbers on a number line. Which strategy did you use? Is the first number greater than, less than, or equal to the second number? How do you know? 						
	a) $\frac{15}{3}$, $\frac{3}{6}$	b) $5\frac{1}{2}$, $3\frac{3}{4}$	c) $2\frac{1}{4}, \frac{15}{8}$				
	d) $\frac{14}{5}$, $\frac{38}{15}$	e) $3\frac{2}{9}, \frac{12}{3}$	f) $\frac{38}{6}$, $\frac{19}{3}$				
2.	List the numbers from least to greatest. Show how you did it.						
	a) $3\frac{3}{4}$, $3\frac{1}{6}$, $\frac{14}{2}$	b) $\frac{13}{8}$, $1\frac{7}{8}$, $\frac{7}{4}$	c) $2\frac{3}{4}$, $2\frac{1}{2}$, $\frac{17}{8}$				
	d) $\frac{13}{3}$, $\frac{9}{2}$, $\frac{12}{16}$	e) $\frac{17}{4}$, $4\frac{3}{8}$, $\frac{19}{16}$	f) $\frac{9}{6}$, $1\frac{6}{18}$, $\frac{34}{36}$				
3.	Order the numbers in each set from greatest to least.						
	a) $\frac{7}{9}$, $2\frac{1}{3}$, $\frac{17}{3}$	b) $1\frac{1}{2}, \frac{9}{2}, \frac{3}{4}$	c) $\frac{15}{16}$, $\frac{7}{4}$, $4\frac{1}{2}$				
	d) $3\frac{5}{8}, \frac{9}{4}, 3\frac{1}{4}$	e) $\frac{20}{9}$, $3\frac{2}{3}$, $\frac{19}{18}$	f) $\frac{10}{4}$, $\frac{9}{3}$, $3\frac{1}{2}$				
4.	Dmytro drank $\frac{7}{4}$ bottles of orange juice. Jitka drank $1\frac{1}{2}$ bottles of orange juice. Who drank more orange juice? How do you know?						
5.	Henrietta is $7\frac{2}{3}$ years old. Jagdeep is $\frac{65}{12}$ years old. Who is older?						
6.	Melodie watched a $2\frac{3}{4}$ -h movie on TV. Parminder watched 5 half-hour shows. Who watched more TV? How do you know?						
7.	Clara has $\frac{5}{2}$ cups of sugar. Her brownie recipe calls for $2\frac{1}{2}$ cups of sugar. Does Clara have enough sugar?						



Lesson 5: Equivalent Ratios								
1.	Write 2 equivalent ratios for each ratio.							
	a) 2:2	b) 4:7	c) 6:8	d) 1:6				
	e) 5:2	f) 6:2	g) 9:3	h) 4:5				
	i) 8:3	j) 9:12	k) 3:4	l) 1:8				
2.	Write an equivalent ratio with 50 as one of the terms.							
	a) 5:10	b) 7:25	c) 9:5	d) 10:6				
	e) 2:6	f) 10:7	g) 25:4	h) 1:6				
3.	List all the ratios that are equivalent to 4 : 3 and have a first term that is less than 50.							
4.	Donald's punch recipe calls for 3 L of ginger ale, 1 L of strawberry juice, and 2 L of orange juice. Suppose Donald uses 9 L of ginger ale. How much strawberry juice and orange juice should he use?							
5.	The word "can" has a vowel to consonant ratio of 1 to 2.							
	 a) Find 3 words, each with more than 3 letters, with a vowel to consonant ratio equivalent to 1 to 2. 							
	b) Choose a vowel to consonant ratio. Find 3 words with that ratio.							
6.	The ratio of fish to snails in Jake's fish tank was 8 to 2. Jake added more fish and snails to the tank, but kept the same ratio. How many fish and snails might there be in the tank now?							
7.	Write an equivalent ratio with 30 as one of the terms.							
	a) 2 : 15	b) 5:8	c) 4 : 10 d)3:8 e)12:6				



