	Using Units Rates with Fractions Name:		
Solv		Answers	
1)	A cookie recipe called for $2\frac{1}{4}$ cups of sugar for every $\frac{2}{4}$ cup of flour. If you made a batch of cookies using 1 cup of flour, how many cups of sugar would you need?	1	
2)	It takes $2\frac{3}{6}$ yards of thread to make $\frac{1}{4}$ of a sock. How many yards of thread will it take to make an entire sock?	2 3	
3)	A bike tire was $\frac{3}{6}$ full. It took a small air compressor $3\frac{3}{5}$ seconds to fill it up. How long would it have taken to fill an empty tire?	4 5	
4)	A printer cartridge with $3\frac{1}{2}$ milliliters of ink will print off $2\frac{3}{4}$ reams of paper. How many milliliters of ink will it take to print 2 reams?	6 7	
5)	A bucket of water was $\frac{2}{5}$ full, but it still had $\frac{2}{3}$ gallons of water in it. How much water would be in one fully filled bucket?	8 9	
6)	A chef had to fill up $2\frac{1}{3}$ containers with mashed potatoes. He ended up using $2\frac{2}{3}$ pounds of mashed potatoes. How many pounds would he use if he had to fill up 5 containers?	10.	
7)	A container with $3\frac{1}{5}$ gallons of weed killer can spray $2\frac{1}{2}$ lawns. How many gallons would it take to spray 8 lawns?		
8)	A water faucet leaked $3^2/_4$ liters of water over the course of $2^1/_2$ hours. How many liters would it have leaked after 6 hours?		
9)	A carpenter goes through $3\frac{1}{2}$ boxes of nails finishing $\frac{1}{4}$ of a roof. How much would he use finishing the entire roof?		
10)	A machine made $3\frac{1}{5}$ pencils in $\frac{3}{4}$ of a minute. It made pencils at a rate of how many per minute?		

Math

	Using Units Rates with Fractions Name: An e each problem. Answer as a mixed number (if possible).	swer Key
Solv	Answers	
1)	A cookie recipe called for $2\frac{1}{4}$ cups of sugar for every $\frac{2}{4}$ cup of flour. If you made a batch of cookies using 1 cup of flour, how many cups of sugar would you need?	1. <u>4<sup>4</sup>/8</u>
2)	It takes $2\frac{3}{6}$ yards of thread to make $\frac{1}{4}$ of a sock. How many yards of thread will it take to make an entire sock?	2. $10^{6}/_{6}$ 3. $7^{3}/_{15}$
3)	A bike tire was $\frac{3}{6}$ full. It took a small air compressor $3\frac{3}{5}$ seconds to fill it up. How long	4. $2^{12}/_{22}$
- ,	would it have taken to fill an empty tire?	5. $6\frac{6}{6}$ 6. $5\frac{15}{21}$
4)	A printer cartridge with $3\frac{1}{2}$ milliliters of ink will print off $2\frac{3}{4}$ reams of paper. How many milliliters of ink will it take to print 2 reams?	7. $10^{6/25}$
5)	A bucket of water was $\frac{2}{5}$ full, but it still had $\frac{2}{3}$ gallons of water in it. How much water would be in one fully filled bucket?	8. $\frac{0}{20}$ 9. $\frac{14}{2}$
6)	A chef had to fill up $2\frac{1}{3}$ containers with mashed potatoes. He ended up using $2\frac{2}{3}$ pounds of mashed potatoes. How many pounds would he use if he had to fill up 5 containers?	10. <u>4/15</u>
7)	A container with $3\frac{1}{5}$ gallons of weed killer can spray $2\frac{1}{2}$ lawns. How many gallons would it take to spray 8 lawns?	
8)	A water faucet leaked $3^{2}_{4}$ liters of water over the course of $2^{1}_{2}$ hours. How many liters would it have leaked after 6 hours?	
<b>9</b> )	A carpenter goes through $3\frac{1}{2}$ boxes of nails finishing $\frac{1}{4}$ of a roof. How much would he use finishing the entire roof?	
10)	A machine made $3\frac{1}{5}$ pencils in $\frac{3}{4}$ of a minute. It made pencils at a rate of how many per minute?	

I

	Using	Units Rates with F	Fractions	Name:	
Solv	e each problem. Answer as a				Answers
$\bigcap$	$10^{0}/_{6}$ $8^{8}/_{20}$	$7^{3}/_{15}$	$14^{0}/_{2}$	5 <sup>15</sup> / <sub>21</sub>	1.
	$6^{4}/_{6}$ $2^{12}/_{22}$	$4^{4}/_{15}$	10 <sup>6</sup> / <sub>25</sub>	44/8	
1)	A cookie recipe called for $2\frac{1}{4}$ of cookies using 1 cup of flow			-	2 3
2)	It takes $2\frac{3}{6}$ yards of thread to make an entire sock?	make $\frac{1}{4}$ of a sock. H	ow many yards of th	nread will it take to	4 5
3)	A bike tire was $\frac{3}{6}$ full. It took would it have taken to fill an e	-	or $3\frac{3}{5}$ seconds to fil	ll it up. How long	6 7
4)	A printer cartridge with $3\frac{1}{2}$ m milliliters of ink will it take to		rint off $2\frac{3}{4}$ reams of	f paper. How many	8
5)	A bucket of water was $\frac{2}{5}$ full, would be in one fully filled bu		llons of water in it.	How much water	10
6)	A chef had to fill up $2\frac{1}{3}$ conta of mashed potatoes. How man	-	-	• 51	
7)	A container with $3\frac{1}{5}$ gallons of it take to spray 8 lawns?	of weed killer can spra	ay $2\frac{1}{2}$ lawns. How 1	many gallons would	
8)	A water faucet leaked $3^2/_4$ liter would it have leaked after 6 ho		ourse of $2\frac{1}{2}$ hours.	How many liters	
<b>9</b> )	A carpenter goes through $3\frac{1}{2}$ use finishing the entire roof?	boxes of nails finishi	ng $\frac{1}{4}$ of a roof. How	w much would he	
10)	A machine made $3\frac{1}{5}$ pencils i minute?	$n\frac{3}{4}$ of a minute. It m	ade pencils at a rate	of how many per	