	Using Units Rates with Fractions Name:			
Solve each problem. Answer as a mixed number (if possible). Answers				
1)	It takes $3\frac{1}{4}$ yards of thread to make $\frac{4}{5}$ of a sock. How many yards of thread will it take to make an entire sock?	1		
2)	A chef had to fill up $\frac{2}{4}$ of a container with mashed potatoes. He ended up using $\frac{3}{6}$ pounds of mashed potatoes. How many pounds would he use if he had to fill up the entire container?	2 3		
3)	A carpenter goes through $3\frac{1}{6}$ boxes of nails finishing $3\frac{3}{4}$ of a roof. How much would he use finishing the entire roof?	4. 5.		
4)	A bag with $2\frac{1}{6}$ ounces of peanuts can make $\frac{1}{3}$ of a jar of peanut butter. It can make one full jar with how many ounces of peanuts?	6. 7.		
5)	A bike tire was $\frac{2}{4}$ full. It took a small air compressor $3\frac{1}{2}$ seconds to fill it up. How long would it have taken to fill an empty tire?	8. 9.		
6)	A printer cartridge with $3^2/_3$ milliliters of ink will print off $3^3/_6$ reams of paper. How many milliliters of ink will it take to print 2 reams?	10		
7)	A container with $3^{2}/_{5}$ gallons of weed killer can spray $2^{2}/_{3}$ lawns. How many gallons would it take to spray 8 lawns?			
8)	A water faucet leaked $2\frac{1}{4}$ liters of water over the course of $2\frac{1}{2}$ hours. How many liters would it have leaked after 2 hours?			
9)	A machine made $3\frac{3}{6}$ pencils in $\frac{1}{2}$ of a minute. It made pencils at a rate of how many per minute?			
10)	It takes $3\frac{4}{6}$ spoons of chocolate syrup to make $2\frac{3}{6}$ gallons of chocolate milk. How many spoons of syrup would it take to make 2 gallons of chocolate milk?			

Math

	Using Units Rates with Fractions Name: An	swer Key
Solv	e each problem. Answer as a mixed number (if possible).	Answers
1)	It takes $3\frac{1}{4}$ yards of thread to make $\frac{4}{5}$ of a sock. How many yards of thread will it take to make an entire sock?	1. $\frac{4^{1}/_{16}}{7^{4}/_{16}}$
2)	A chef had to fill up $\frac{2}{4}$ of a container with mashed potatoes. He ended up using $\frac{3}{6}$ pounds of mashed potatoes. How many pounds would he use if he had to fill up the entire container?	$\begin{array}{c} 2. & 7 \\ 3. & 4 \\ 4. & 6 \\ 6 \\ 6 \end{array}$
3)	A carpenter goes through $3\frac{1}{6}$ boxes of nails finishing $\frac{3}{4}$ of a roof. How much would he use finishing the entire roof?	5. 7^{0}_{4}
4)	A bag with $2\frac{1}{6}$ ounces of peanuts can make $\frac{1}{3}$ of a jar of peanut butter. It can make one full jar with how many ounces of peanuts?	6. $\frac{2}{_{63}}$ 7. $\frac{10^{8}}{_{40}}$
5)	A bike tire was $\frac{2}{4}$ full. It took a small air compressor $3\frac{1}{2}$ seconds to fill it up. How long would it have taken to fill an empty tire?	8. $\frac{1}{20}$ 9. $\frac{7}{6}$
6)	A printer cartridge with $3^2/_3$ milliliters of ink will print off $3^3/_6$ reams of paper. How many milliliters of ink will it take to print 2 reams?	10. <u>2 / 90</u>
7)	A container with $3^{2}/_{5}$ gallons of weed killer can spray $2^{2}/_{3}$ lawns. How many gallons would it take to spray 8 lawns?	
8)	A water faucet leaked $2\frac{1}{4}$ liters of water over the course of $2\frac{1}{2}$ hours. How many liters would it have leaked after 2 hours?	
9)	A machine made $3\frac{3}{6}$ pencils in $\frac{1}{2}$ of a minute. It made pencils at a rate of how many per minute?	
10)	It takes $3\frac{4}{6}$ spoons of chocolate syrup to make $2\frac{3}{6}$ gallons of chocolate milk. How many spoons of syrup would it take to make 2 gallons of chocolate milk?	

Math

	Using Units Rates with Fractions Name:	
Solv	Answers	
\square	$2^{6}/_{63}$ $4^{4}/_{18}$ $1^{16}/_{20}$ $4^{1}/_{16}$ $7^{0}/_{6}$	
		1
	10^{8}_{40} 7^{4}_{12} 6^{3}_{6} 7^{0}_{4} 2^{84}_{90}	
1)	It takes $3\frac{1}{4}$ yards of thread to make $\frac{4}{5}$ of a sock. How many yards of thread will it take to	2
	make an entire sock?	3
	A chef had to fill up $\frac{2}{4}$ of a container with mashed potatoes. He ended up using $3\frac{4}{6}$	4
	pounds of mashed potatoes. How many pounds would he use if he had to fill up the entire container?	5
3)	A carpenter goes through $3\frac{1}{6}$ boxes of nails finishing $\frac{3}{4}$ of a roof. How much would he	6
	use finishing the entire roof?	7
4)	A bag with $2\frac{1}{6}$ ounces of peanuts can make $\frac{1}{3}$ of a jar of peanut butter. It can make one	8
	full jar with how many ounces of peanuts?	9
5)	A bike tire was $\frac{2}{4}$ full. It took a small air compressor $3\frac{1}{2}$ seconds to fill it up. How long	10
	would it have taken to fill an empty tire?	
6)	A printer cartridge with $3^2/_3$ milliliters of ink will print off $3^3/_6$ reams of paper. How many	
	milliliters of ink will it take to print 2 reams?	
7)	A container with 3^{2}_{5} gallons of weed killer can spray 2^{2}_{3} lawns. How many gallons would it take to spray 8 lawns?	
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8)	A water faucet leaked $2\frac{1}{4}$ liters of water over the course of $2\frac{1}{2}$ hours. How many liters would it have leaked after 2 hours?	
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