	Using Units Rates with Fractions Name:	
Solv	Answers	
1)	A water faucet leaked 2^{3}_{5} liters of water over the course of 2^{2}_{5} hours. How many liters would it have leaked after 9 hours?	1
2)	A bike tire was $\frac{3}{5}$ full. It took a small air compressor $2\frac{1}{6}$ seconds to fill it up. How long would it have taken to fill an empty tire?	2 3
3)	A bag with $2^{1/3}$ quarts of peanuts can make $3^{1/5}$ jars of peanut butter. How many quarts of peanuts would you need to make 3 jars?	4 5
4)	A carpenter goes through $2^{2/6}_{6}$ boxes of nails finishing $2^{1/2}_{2}$ rooves. How much would he use finishing 4 rooves?	6 7
5)	A container with $2\frac{1}{3}$ gallons of weed killer can spray $3\frac{1}{2}$ lawns. How many gallons would it take to spray 3 lawns?	8. 9.
6)	A cookie recipe called for $2^{1/4}$ cups of sugar for every $2^{1/3}$ cups of flour. If you made a batch of cookies using 5 cup of flour, how many cups of sugar would you need?	10
7)	A machine made $3\frac{1}{4}$ pencils in $\frac{4}{5}$ of a minute. It made pencils at a rate of how many per minute?	
8)	It takes $2\frac{5}{6}$ gallons of water to fill up $3\frac{2}{6}$ containers. How much water would it take to fill 5 containers?	
9)	It takes $3\frac{3}{4}$ spoons of chocolate syrup to make $\frac{2}{5}$ of a gallon of chocolate milk. How many spoons of syrup would it take to make 1 gallon of chocolate milk?	
10)	It takes $2\frac{1}{2}$ yards of thread to make $\frac{2}{6}$ of a sock. How many yards of thread will it take to make an entire sock?	

	Using Units Rates with Fractions Name: An	swer Key
Solv	e each problem. Answer as a mixed number (if possible).	Answers
1)	A water faucet leaked $2^{3}/_{5}$ liters of water over the course of $2^{2}/_{5}$ hours. How many liters would it have leaked after 9 hours?	$\begin{array}{c} 1. 9^{45} \\ 2. 3^{11} \\ 18 \end{array}$
2)	A bike tire was $\frac{3}{5}$ full. It took a small air compressor $2\frac{1}{6}$ seconds to fill it up. How long would it have taken to fill an empty tire?	$\begin{array}{c} 2. & \underline{2^{9}}_{48} \\ 3. & \underline{2^{9}}_{48} \\ 3^{22} \\ \end{array}$
3)	A bag with $2\frac{1}{3}$ quarts of peanuts can make $3\frac{1}{5}$ jars of peanut butter. How many quarts of peanuts would you need to make 3 jars?	4. $\frac{3^{\prime}}{20}$ 5. $\frac{2^{\prime}}{21}$
4)	A carpenter goes through 2^{2}_{6} boxes of nails finishing 2^{1}_{2} rooves. How much would he use finishing 4 rooves?	6. $\frac{4}{_{28}}$ 7. $\frac{4^{1}}{_{16}}$
5)	A container with $2\frac{1}{3}$ gallons of weed killer can spray $3\frac{1}{2}$ lawns. How many gallons would it take to spray 3 lawns?	8. $\frac{4}{120}$ 9. $\frac{9^{3}}{8}$ $7^{2}/$
6)	A cookie recipe called for $2\frac{1}{4}$ cups of sugar for every $2\frac{1}{3}$ cups of flour. If you made a batch of cookies using 5 cup of flour, how many cups of sugar would you need?	10. 74
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	Math	50 40 30 20 10 0

4

Math

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	Using Units Rates with Fractions Name:				
Solv	Solve each problem. Answer as a mixed number (if possible). Answers				
\square	$9^{3}/_{8}$ $2^{9}/_{48}$ $3^{11}/_{18}$ $4^{1}/_{16}$ $7^{2}/_{4}$				
		1			
	$2^{0}/_{21}$ $9^{45}/_{60}$ $4^{30}/_{120}$ $3^{22}/_{30}$ $4^{23}/_{28}$				
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3)	A bag with $2\frac{1}{3}$ quarts of peanuts can make $3\frac{1}{5}$ jars of peanut butter. How many quarts of peanuts would you need to make 3 jars?	6 7			
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	Math Modified 4 1-10 90 80 70 60	50 40 30 20 10 0			