	Using Units Rates with Fractions Name:	
Solv	e each problem. Answer as a mixed number (if possible).	Answers
1)	A water faucet leaked $2\frac{3}{5}$ liters of water over the course of $2\frac{2}{5}$ 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 $2\frac{1}{3}$ 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.   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 $2\frac{5}{5}$ 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 $2\frac{3}{5}$ liters of water over the course of $2\frac{2}{5}$ hours. How many liters would it have leaked after 9 hours?	1. $9^{45}/_{60}$
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. $3^{1/}_{18}$ 3. $2^{9/}_{48}$ $3^{22/}_{48}$
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?	$\begin{array}{c} 4. \\ 5. \\ 5. \\ 6. \\ 4^{23}/_{28} \end{array}$
4)	A carpenter goes through $2\frac{2}{6}$ boxes of nails finishing $2\frac{1}{2}$ rooves. How much would he use finishing 4 rooves?	$\begin{array}{c} 0. & \underline{} \\ 7. & \underline{} \\ 4^{1} \\ \underline{} \\ 30 \end{array}$
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. $4^{30}/_{120}$ 9. $9^{3}/_{8}$ 10. $7^{2}/_{4}$
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	Math www.CommonCoreSheets.com 4	50 40 30 20 10 0

	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				
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	peanuts would you need to make 3 jars?					
		7				
4)	$1 \qquad 1 \qquad 2^2 \qquad \qquad$					
•)	A carpenter goes through $2^{2}/_{6}$ boxes of nails finishing $2^{1}/_{2}$ rooves. How much would he use finishing 4 rooves?	8				
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		9				
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10\	1 2					
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	make an entire sock?					
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	Math www.CommonCoreSheets.com 4					