	Using Units Rates with Fractions Name:								
Solve each problem. Answer as a mixed number (if possible). Answers									
1)	A machine made $2^{2}/_{4}$ pencils in $2^{1}/_{4}$ minutes. How many pencils would the machine have made after 2 minutes?	1							
2)	A water faucet leaked $3\frac{2}{6}$ liters of water every $\frac{3}{5}$ of an hour. It leaked at a rate of how many liters per hour?	2. 3.							
3)	A container with $3\frac{1}{5}$ liters of weed killer can spray $\frac{1}{5}$ of a lawn. How many liters would it take to spray 1 entire lawn?	4. 5.							
4)	A carpenter goes through $3\frac{1}{2}$ boxes of nails finishing $2\frac{2}{5}$ rooves. How much would he use finishing 6 rooves?	6. 7.							
5)	It takes $3\frac{3}{5}$ kilometers of thread to make $3\frac{1}{3}$ boxes of shirts. How many kilometers of thread will it take to make 7 boxes?	8. 9.							
6)	A tire shop had to fill $3\frac{4}{5}$ tires with air. It took a small air compressor $3\frac{3}{5}$ seconds to fill them up. How long would it take to fill 7 tires?	10							
7)	It takes $3\frac{4}{5}$ spoons of chocolate syrup to make $\frac{5}{6}$ of a gallon of chocolate milk. How many spoons of syrup would it take to make 1 gallon of chocolate milk?								
8)	A printer cartridge with $3\frac{3}{4}$ milliliters of ink will print off $\frac{1}{3}$ of a box of paper. How many milliliters of ink will it take to print an entire box?								
9)	A bag with $2^{2}/_{3}$ ounces of peanuts can make $\frac{1}{2}$ of a jar of peanut butter. It can make one full jar with how many ounces of peanuts?								
10)	A cookie recipe called for $2^{1/4}$ cups of sugar for every $2^{1/2}$ cups of flour. If you made a batch of cookies using 8 cup of flour, how many cups of sugar would you need?								

olv	e each problem. Answer as a mixed number (if possible).	Answers
1)	A machine made $2^{2}/_{4}$ pencils in $2^{1}/_{4}$ minutes. How many pencils would the machine have made after 2 minutes?	1. $2^{8}/_{36}$
2)	A water faucet leaked $3\frac{2}{6}$ liters of water every $\frac{3}{5}$ of an hour. It leaked at a rate of how many liters per hour?	2. $5^{10}/_{18}$ 3. $16^{0}/_{5}$
3)	A container with $3\frac{1}{5}$ liters of weed killer can spray $\frac{1}{5}$ of a lawn. How many liters would it take to spray 1 entire lawn?	4. $\frac{8}{_{24}}$ 5. $\frac{7^{28}}{_{50}}$
4)	A carpenter goes through $3\frac{1}{2}$ boxes of nails finishing $2\frac{2}{5}$ rooves. How much would he use finishing 6 rooves?	6. $\frac{0}{_{95}}$ 7. $\frac{4^{14}}{_{25}}$
5)	It takes $3\frac{3}{5}$ kilometers of thread to make $3\frac{1}{3}$ boxes of shirts. How many kilometers of thread will it take to make 7 boxes?	8. $11\frac{7}{4}$ 9. $5\frac{7}{3}$
6)	A tire shop had to fill $3\frac{4}{5}$ tires with air. It took a small air compressor $3\frac{3}{5}$ seconds to fill them up. How long would it take to fill 7 tires?	10. <mark>/ / 20</mark>
7)	It takes $3\frac{4}{5}$ spoons of chocolate syrup to make $\frac{5}{6}$ of a gallon of chocolate milk. How many spoons of syrup would it take to make 1 gallon of chocolate milk?	
8)	A printer cartridge with $3\frac{3}{4}$ milliliters of ink will print off $\frac{1}{3}$ of a box of paper. How many milliliters of ink will it take to print an entire box?	
9)	A bag with $2^{2/3}_{3}$ ounces of peanuts can make $\frac{1}{2}$ of a jar of peanut butter. It can make one full jar with how many ounces of peanuts?	
.0)	A cookie recipe called for $2\frac{1}{4}$ cups of sugar for every $2\frac{1}{2}$ cups of flour. If you made a batch of cookies using 8 cup of flour, how many cups of sugar would you need?	

10

Math

www.CommonCoreSheets.com

		Using Un	its Rates with Fr	actions	Name:					
\square	$5^{10}/_{18}$	8 ¹⁸ / ₂₄	$7^{28}/_{50}$	6 ⁶⁰ / ₉₅	$16^{0}/_{5}$	<u>Answers</u>				
						1				
	$5^{1}/_{3}$	2 ⁸ / ₃₆	111/4	4 ¹⁴ / ₂₅	7 ⁴ / ₂₀					
1)	A machine made 22 made after 2 minute		$\frac{1}{4}$ minutes. How m	any pencils would	the machine have	2.				
2)	A water faucet leak many liters per hou	4 5								
3)	A container with 3 ¹ take to spray 1 entit	6 7								
4)	A carpenter goes th finishing 6 rooves?		tes of nails finishing	$g 2^{2}/_{5}$ rooves. How	much would he use	8				
5)	It takes $3\frac{3}{5}$ kilomet thread will it take to	10								
6)	A tire shop had to f them up. How long									
7)	It takes $3\frac{4}{5}$ spoons many spoons of syn									
8)	A printer cartridge milliliters of ink wi	•	_	nt off $\frac{1}{3}$ of a box of	of paper. How many					
9)	A bag with $2^{2}/_{3}$ our full jar with how m			ar of peanut butter	. It can make one					
10)	A cookie recipe cal batch of cookies us									
	Math	Modif ww.CommonC		10	1-10 90 80 70 60	50 40 30 20 10 0				