	Using Units Rates with Fractions Name:	
Solv	e each problem. Answer as a mixed number (if possible).	Answers
1)	A printer cartridge with $3^2/_3$ milliliters of ink will print off $2^4/_4$ of a box of paper. How many milliliters of ink will it take to print an entire box?	1
2)	A cookie recipe called for $3\frac{1}{2}$ cups of sugar for every $\frac{5}{6}$ cup of flour. If you made a batch of cookies using 1 cup of flour, how many cups of sugar would you need?	2 3
3)	A container with $3\frac{1}{5}$ liters of weed killer can spray $\frac{1}{4}$ of a lawn. How many liters would it take to spray 1 entire lawn?	4 5
4)	A bucket of water was $\frac{1}{2}$ full, but it still had $2\frac{4}{5}$ gallons of water in it. How much water would be in one fully filled bucket?	6 7
5)	A bike tire was $\frac{1}{2}$ full. It took a small air compressor $3\frac{1}{3}$ seconds to fill it up. How long would it have taken to fill an empty tire?	8 9
6)	It takes $2\frac{1}{2}$ yards of thread to make $\frac{4}{6}$ of a sock. How many yards of thread will it take to make an entire sock?	10
7)	A machine made $2^{2/3}$ pencils in $2^{1/4}$ minutes. How many pencils would the machine have made after 5 minutes?	
8)	A carpenter goes through $2\frac{4}{5}$ boxes of nails finishing $3\frac{1}{3}$ rooves. How much would he use finishing 4 rooves?	
9)	It takes $3\frac{1}{4}$ spoons of chocolate syrup to make $2\frac{1}{5}$ gallons of chocolate milk. How many spoons of syrup would it take to make 3 gallons of chocolate milk?	
10)	A bag with $3\frac{4}{6}$ quarts of peanuts can make $2\frac{3}{6}$ jars of peanut butter. How many quarts of peanuts would you need to make 5 jars?	
	Moth 1-10 90 80 70 60	50 40 30 20 10 0
	Math www.CommonCoreSheets.com	

	Using Units Rates with Fractions Name: An e each problem. Answer as a mixed number (if possible).	swer Key
Solv	<u>Answers</u>	
1)	A printer cartridge with $3^2/_3$ milliliters of ink will print off $2^2/_4$ of a box of paper. How many milliliters of ink will it take to print an entire box?	1. <b>7<sup>2</sup>/</b> <sub>6</sub>
		2. <u>4<sup>2</sup>/<sub>10</sub></u>
2)	A cookie recipe called for $3\frac{1}{2}$ cups of sugar for every $\frac{5}{6}$ cup of flour. If you made a batch of cookies using 1 cup of flour, how many cups of sugar would you need?	3. <u>12<sup>4</sup>/5</u>
		4. <u>5<sup>3</sup>/</u> <sub>5</sub>
3)	A container with $3\frac{1}{5}$ liters of weed killer can spray $\frac{1}{4}$ of a lawn. How many liters would it take to spray 1 entire lawn?	5. <u>6<sup>2</sup>/3</u>
4)	1	6. $3^{6}/_{8}$
·•)	A bucket of water was $\frac{1}{2}$ full, but it still had $\frac{2}{5}$ gallons of water in it. How much water would be in one fully filled bucket?	7. $\frac{5^{25}}{27}$
5)	A bike tire was $\frac{1}{2}$ full. It took a small air compressor $3\frac{1}{3}$ seconds to fill it up. How long	8. $3^{19}/_{50}$
,	would it have taken to fill an empty tire?	9. $\frac{4}{_{44}}$
6)	It takes $2\frac{1}{2}$ yards of thread to make $\frac{4}{6}$ of a sock. How many yards of thread will it take to make an entire sock?	10. <b>7</b> / <sub>90</sub>
7)	A machine made $2^{2}/_{3}$ pencils in $2^{1}/_{4}$ minutes. How many pencils would the machine have made after 5 minutes?	
8)	A carpenter goes through $2^{4}/_{5}$ boxes of nails finishing $3^{1}/_{3}$ rooves. How much would he use finishing 4 rooves?	
9)	It takes $3\frac{1}{4}$ spoons of chocolate syrup to make $2\frac{1}{5}$ gallons of chocolate milk. How many spoons of syrup would it take to make 3 gallons of chocolate milk?	
10)	A bag with $3\frac{4}{6}$ quarts of peanuts can make $2\frac{3}{6}$ jars of peanut butter. How many quarts of peanuts would you need to make 5 jars?	
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Math

		Using Un	its Rates with I	Fractions	Name:					
Solve each problem. Answer as a mixed number (if possible). Answers										
ſ	$5^{25}/_{27}$	$5^{3}/_{5}$	$4^{2}/_{10}$	3 <sup>6</sup> / <sub>8</sub>	$3^{18}/_{50}$					
	4 <sup>19</sup> / <sub>44</sub>	$7^{2}/_{6}$	$6^{2}/_{3}$	$7^{30}/_{90}$	$12^{4}/_{5}$	1				
						2.				
1)	A printer cartridge with $3^2/_3$ milliliters of ink will print off $2^2/_4$ of a box of paper. How many					2				
	milliliters of in	k will it take to pri	3.							
2)	A cookie recip	4								
	of cookies usin									
3)	A container wi	th $3^{1}$ liters of was	d killer can enrav	<sup>1</sup> / of a lawn How	many liters would it	6.				
	take to spray 1	many mers would n								
						7				
Δ		1.	4,							
4)	A bucket of wa	8								
	would be in on	e fully filled bucke	et?							
						9				
5)	A bike tire was	s $\frac{1}{2}$ full. It took a s	mall air compress	or $3\frac{1}{3}$ seconds to fi	ll it up. How long	10.				
	would it have t	taken to fill an emp	ty tire?							
6)	It takes $2^{1/2}$ yas	rds of thread to ma	ke $\frac{4}{6}$ of a sock. H	low many yards of t	hread will it take to					
	make an entire		0	5.5						
7)	A machina ma	$d_{2}$ $2^{2}$ (non-site in 2)	<sup>1</sup> /	many pencils would	the mechine have					
,	made after 5 m	6 -	$7_4$ minutes. How	many pencils would	the machine have					
<b>D</b> )		Α		1.						
8)		- 0	tes of nails finishi	ng $3\frac{1}{3}$ rooves. How	much would he use					
	finishing 4 roo	ves?								
9)	It takes $3\frac{1}{4}$ spo	oons of chocolate s	yrup to make $2^{1/_{5}}$	gallons of chocolate	e milk. How many					
	spoons of syru	p would it take to r	nake 3 gallons of	chocolate milk?						
10)	A bag with $3^{4/2}$	$\frac{1}{5}$ quarts of peanuts	can make $2^{3}/_{c}$ iars	s of peanut butter. H	low many quarts of					
		you need to make	• -	1	J 1					
	Math	Modifi www.CommonC		1	1-10 90 80 70 60	50 40 30 20 10 0				