	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	

		swer Key
Solv	e each problem. Answer as a mixed number (if possible).	<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. 7²/ ₆
		2. <u>4²/₁₀</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>12⁴/5</u>
		4. <u>5³/</u> ₅
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>6²/3</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 bills time was $\frac{1}{2}$ full. It to also small air communication $2^{1/2}$ as conducts fill it was Herry long.	8. $3^{10}/_{50}$
- /	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?	9. $4^{-7}/_{44}$
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. 7 / ₉₀
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?	
		ļ

		Using Un	its Rates with F	Fractions	Name:	
Solv	e each problem	. Answer as a mix				Answers
\bigcap	5 ²⁵ / ₂₇	$5^{3}/_{5}$	$4^{2}/_{10}$	$3^{6}/_{8}$	$3^{18}/_{50}$	
	4 ¹⁹ / ₄₄	$7^{2}/_{6}$	$6^{2}/_{3}$	$7^{30}/_{90}$	$12^{4}/_{5}$	1
1)	A printer cartric		iters of ink will p		of paper. How many	2 3
2)			_	ery $\frac{5}{6}$ cup of flour. I sugar would you need	lf you made a batch ed?	4. 5.
3)	A container wit take to spray 1	•	d killer can spray	$\frac{1}{4}$ of a lawn. How	many liters would it	6. 7.
4)		ter was $\frac{1}{2}$ full, but e fully filled bucke	6 -	llons of water in it.	How much water	8 9
5)		$\frac{1}{2}$ full. It took a subaken to fill an empty		or $3\frac{1}{3}$ seconds to fi	ll it up. How long	10
6)	It takes $2\frac{1}{2}$ yarmake an entire		$\frac{4}{6}$ of a sock. H	ow many yards of t	hread will it take to	
7)	A machine mad made after 5 mi	51	$/_4$ minutes. How 1	nany pencils would	the machine have	
8)	A carpenter goe finishing 4 roov	- 6	es of nails finishi	ng $3^{1}/_{3}$ rooves. How	much would he use	
9)	• •	ons of chocolate s would it take to n	- 0	gallons of chocolate	e milk. How many	
10)	- •	quarts of peanuts of you need to make t		of peanut butter. H	ow many quarts of	
	Math	Modifi www.CommonCo		1	1-10 90 80 70 60	50 40 30 20 10 0

	Using Units Rates with FractionsName:e each problem. Answer as a mixed number (if possible).		A
1)	A cookie recipe called for $2^{4}/_{5}$ cups of sugar for every $2^{2}/_{3}$ cup of flour. If you made a batch of cookies using 1 cup of flour, how many cups of sugar would you need?	1.	Answers
2)	A machine made $2^{2}/_{3}$ pencils in $2^{2}/_{3}$ of a minute. It made pencils at a rate of how many per minute?	2. 3.	
3)	A water faucet leaked $2^{2}/_{5}$ liters of water every $3^{2}/_{5}$ of an hour. It leaked at a rate of how many liters per hour?	4 5	
4)	It takes $3\frac{1}{5}$ yards of thread to make $\frac{2}{3}$ of a sock. How many yards of thread will it take to make an entire sock?	6. 7.	
5)	A container with $2\frac{3}{4}$ gallons of weed killer can spray $2\frac{5}{6}$ lawns. How many gallons would it take to spray 9 lawns?	8. 9.	
6)	A chef had to fill up $\frac{2}{6}$ of a container with mashed potatoes. He ended up using $\frac{2}{5}$ pounds of mashed potatoes. How many pounds would he use if he had to fill up the entire container?	10.	
7)	It takes $3\frac{1}{2}$ spoons of chocolate syrup to make $\frac{2}{4}$ of a gallon of chocolate milk. How many spoons of syrup would it take to make 1 gallon of chocolate milk?		
8)	It takes $3\frac{5}{6}$ gallons of water to fill up $2\frac{2}{4}$ containers. How much water would it take to fill 3 containers?		
9)	A printer cartridge with $2\frac{1}{6}$ milliliters of ink will print off $2\frac{1}{3}$ reams of paper. How many milliliters of ink will it take to print 2 reams?		
10)	A tire shop had to fill $2\frac{1}{2}$ tires with air. It took a small air compressor $3\frac{1}{2}$ seconds to fill them up. How long would it take to fill 8 tires?		

	Using Units Rates with Fractions Name: An	iswer Key
Solv	e each problem. Answer as a mixed number (if possible).	Answers
1)	A cookie recipe called for $2\frac{4}{5}$ cups of sugar for every $\frac{2}{3}$ cup of flour. If you made a batch of cookies using 1 cup of flour, how many cups of sugar would you need?	1. $\frac{4^2}{10}$
2)	A machine made $2^{2/3}$ pencils in $2/3$ of a minute. It made pencils at a rate of how many per minute?	$\begin{array}{c} 2. & \frac{4}{_{6}} \\ 3. & \frac{4}{_{15}} \\ \end{array}$
3)	A water faucet leaked $2^{2/5}$ liters of water every $\frac{3}{5}$ of an hour. It leaked at a rate of how many liters per hour?	4. $\frac{4^{6}}{10}$ 5. $\frac{8^{50}}{68}$
4)	It takes $3\frac{1}{5}$ yards of thread to make $\frac{2}{3}$ of a sock. How many yards of thread will it take to make an entire sock?	6. 7^{0}_{10} 7. 7^{0}_{4}
5)	A container with $2\frac{3}{4}$ gallons of weed killer can spray $2\frac{5}{6}$ lawns. How many gallons would it take to spray 9 lawns?	8. $\frac{4^{30}_{60}}{1^{36}_{42}}$ 9. $\frac{1^{36}_{42}}{1^{32}_{42}}$
6)	A chef had to fill up $\frac{2}{6}$ of a container with mashed potatoes. He ended up using $\frac{2}{5}$ pounds of mashed potatoes. How many pounds would he use if he had to fill up the entire container?	10. <u>117₁₀</u>
7)	It takes $3\frac{1}{2}$ spoons of chocolate syrup to make $2\frac{2}{4}$ of a gallon of chocolate milk. How many spoons of syrup would it take to make 1 gallon of chocolate milk?	
8)	It takes $3\frac{5}{6}$ gallons of water to fill up $2\frac{2}{4}$ containers. How much water would it take to fill 3 containers?	
9)	A printer cartridge with $2\frac{1}{6}$ milliliters of ink will print off $2\frac{1}{3}$ reams of paper. How many milliliters of ink will it take to print 2 reams?	
10)	A tire shop had to fill $2\frac{1}{2}$ tires with air. It took a small air compressor $3\frac{1}{2}$ seconds to fill them up. How long would it take to fill 8 tires?	
	Math www.CommonCoreSheets.com 2	50 40 30 20 10 0

		Using Ui	nits Rates with H	Fractions	Name:	
Solv	e each problem. /		xed number (if po			Answers
\bigcap	$1^{36}/_{42}$	$7^{8}/_{10}$	$4^{2}/_{10}$	4 ³⁶ / ₆₀	4 ⁰ / ₁₅	
		$4^{0}/_{6}$	$11^{2}/_{10}$	-760	$4^{8}/_{10}$	1
	8 ⁵⁰ / ₆₈	4/6	11/10	//4	4/10	
1)	A cookie recipe (called for $2^4/_{-}$ cu	ins of sugar for eve	ery $\frac{2}{3}$ cup of flour. I	f vou made a batch	2
		-		sugar would you nee		
	C	1 /	5 1			3
2)		2. 2				4
2)		$2^{2}/_{3}$ pencils in $^{2}/_{3}$	$\frac{1}{3}$ of a minute. It m	nade pencils at a rate	e of how many per	· · · · · · · · · · · · · · · · · · ·
	minute?					5.
3)	A water faucet le	eaked $2^2/_5$ liters of	of water every $\frac{3}{5}$ of	of an hour. It leaked	at a rate of how	6
	many liters per h		- C -			
						7
4)			1^{2}		1 11 1 1 .	
	It takes $3/_5$ yards make an entire so		tke $/_3$ of a sock. H	low many yards of the	nread will it take to	8
	make an entire so	JCK !				
						9
5)	A container with	$2^{3}/_{4}$ gallons of v	weed killer can spr	ay $2\frac{5}{6}$ lawns. How	many gallons would	10.
	it take to spray 9	lawns?				
6)	A chef had to fill	un^{2}/c of a contr	ainer with mashed	potatoes. He ended	up using $2^3/_{-}$	
		- 0		uld he use if he had	0	
	container?	I	5 1		1	
7)	1.		2.			
7)				of a gallon of chocol		
	many spoons of s	syrup would it ta	ake to make I gallo	on of chocolate milk	?	
8)	It takes $3\frac{5}{6}$ gallo	ons of water to fi	ll up $2^2/_4$ container	rs. How much water	would it take to fill	
	3 containers?					
9)	A printer cartride	be with 2^{1} milli	iliters of ink will n	rint off $2^{1/3}$ reams of	fnaner How many	
-	milliliters of ink			1111 011 273 Teams 01	i paper. 110w many	
	01 mm					
10)		1			1.	
10)	-	-		nall air compressor 3	$3\frac{1}{2}$ seconds to fill	
	them up. How lo	ng would it take	to fill 8 tires?			
		Modif	ied		1-10 90 80 70 60	50 40 30 20 10 0
	Math	www.CommonC		2		

	Using Units Rates with Fractions Name:	
Solv	e each problem. Answer as a mixed number (if possible).	Answers
1)	A machine made $2\frac{4}{6}$ pencils in $3\frac{2}{5}$ minutes. How many pencils would the machine have made after 2 minutes?	1
2)	It takes $2\frac{1}{2}$ spoons of chocolate syrup to make $3\frac{1}{3}$ gallons of chocolate milk. How many spoons of syrup would it take to make 5 gallons of chocolate milk?	2 3
3)	A cookie recipe called for $3^2/_4$ cups of sugar for every $2^2/_3$ cup of flour. If you made a batch of cookies using 1 cup of flour, how many cups of sugar would you need?	4 5
4)	It takes $3\frac{1}{3}$ yards of thread to make $\frac{1}{3}$ of a sock. How many yards of thread will it take to make an entire sock?	6. 7.
5)	It takes $2\frac{1}{2}$ gallons of water to fill up $3\frac{1}{4}$ containers. How much water would it take to fill 9 containers?	8 9
6)	A printer cartridge with $2\frac{1}{6}$ milliliters of ink will print off $2\frac{1}{2}$ reams of paper. How many milliliters of ink will it take to print 7 reams?	10
7)	A carpenter goes through $2^{2}/_{3}$ boxes of nails finishing $3/_{4}$ of a roof. How much would he use finishing the entire roof?	
8)	A chef had to fill up $\frac{3}{5}$ of a container with mashed potatoes. He ended up using $\frac{2^{1}}{2}$ pounds of mashed potatoes. How many pounds would he use if he had to fill up the entire container?	
9)	A bag with $3\frac{4}{5}$ quarts of peanuts can make $2\frac{3}{4}$ jars of peanut butter. How many quarts of peanuts would you need to make 7 jars?	
10)	A container with $2\frac{1}{2}$ gallons of weed killer can spray $3\frac{1}{6}$ lawns. How many gallons would it take to spray 6 lawns?	

	Using Units Rates with Fractions Name: An	swer Key
Solv	e each problem. Answer as a mixed number (if possible).	Answers
1)	A machine made $2\frac{4}{6}$ pencils in $3\frac{2}{5}$ minutes. How many pencils would the machine have made after 2 minutes?	1. $1^{58}/_{102}$
2)	It takes $2\frac{1}{2}$ spoons of chocolate syrup to make $3\frac{1}{3}$ gallons of chocolate milk. How many spoons of syrup would it take to make 5 gallons of chocolate milk?	2. $3^{12}/_{20}$ 3. $5^{2}/_{8}$ 10 ⁰ /
3)	A cookie recipe called for $3^2/_4$ cups of sugar for every $2^3/_3$ cup of flour. If you made a batch of cookies using 1 cup of flour, how many cups of sugar would you need?	4. $10/_3$ 5. $6^{24}/_{26}$
4)	It takes $3\frac{1}{3}$ yards of thread to make $\frac{1}{3}$ of a sock. How many yards of thread will it take to make an entire sock?	6. $3^{5}/_{9}$
5)	It takes $2\frac{1}{2}$ gallons of water to fill up $3\frac{1}{4}$ containers. How much water would it take to fill 9 containers?	8. $\frac{47_{6}}{9. 9^{37}_{55}}$
6)	A printer cartridge with $2\frac{1}{6}$ milliliters of ink will print off $2\frac{1}{2}$ reams of paper. How many milliliters of ink will it take to print 7 reams?	10. <u>4 / 38</u>
7)	A carpenter goes through $2^2/_3$ boxes of nails finishing $3/_4$ of a roof. How much would he use finishing the entire roof?	
8)	A chef had to fill up $\frac{3}{5}$ of a container with mashed potatoes. He ended up using $\frac{2}{2}$ pounds of mashed potatoes. How many pounds would he use if he had to fill up the entire container?	
9)	A bag with $3\frac{4}{5}$ quarts of peanuts can make $2\frac{3}{4}$ jars of peanut butter. How many quarts of peanuts would you need to make 7 jars?	
10)	A container with $2\frac{1}{2}$ gallons of weed killer can spray $3\frac{1}{6}$ lawns. How many gallons would it take to spray 6 lawns?	

		Using Units	s Rates with Fr	actions	Name:		
Solv	e each problem. Answ						Answers
\bigcap	$4^{28}/_{38}$	$4^{1}/_{6}$	$5^{2}/_{8}$	$6^{2}/_{30}$	1 ⁵⁸ / ₁₀₂	1.	
	9 ³⁷ / ₅₅	3 ⁵ / ₉	$3^{15}/_{20}$	$10^{0}/_{3}$	6 ²⁴ / ₂₆		
1)	A machine made $2^4/_6$ made after 2 minutes?	pencils in $3^2/_5$	minutes. How m	any pencils would	the machine have	2 3	
2)	It takes $2\frac{1}{2}$ spoons of spoons of syrup would				e milk. How many	4 5	
3)	A cookie recipe called of cookies using 1 cup	• •	•		•	6 7	
4)	It takes $3\frac{1}{3}$ yards of the make an entire sock?	nread to make	$\frac{1}{3}$ of a sock. Ho	w many yards of th	nread will it take to	8 9.	
5)	It takes $2\frac{1}{2}$ gallons of 9 containers?	water to fill u	$p 3\frac{1}{4}$ containers	. How much water	would it take to fill	^{9.} –	
6)	A printer cartridge wi milliliters of ink will i	Ũ	-	nt off $2\frac{1}{2}$ reams of	paper. How many		
7)	A carpenter goes throu use finishing the entire	- 0	of nails finishing	$g^{3/4}$ of a roof. How	much would he		
8)	A chef had to fill up $\frac{3}{2}$ pounds of mashed pot container?	0	-				
9)	A bag with $3\frac{4}{5}$ quarts peanuts would you ne	-		of peanut butter. He	ow many quarts of		
10)	A container with $2^{1/2}$ it take to spray 6 lawn		d killer can spray	$\sqrt{3^{1}}_{6}$ lawns. How r	nany gallons would		

	Using Units Rates with Fractions Name:	
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?	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
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?	
	Math	50 40 30 20 10 0

Math

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	Using Units Rates with Fractions Name:	
Solv	e 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
	$2^{0}/_{21}$ $9^{45}/_{60}$ $4^{30}/_{120}$ $3^{22}/_{30}$ $4^{23}/_{28}$	
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?	2 3
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?	4 5
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
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?	8
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?	10
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?	
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?	
	Math Modified 4 1-10 90 80 70 60	50 40 30 20 10 0

	Using Units Rates with Fractions Name:	
Solv	e each problem. Answer as a mixed number (if possible).	Answers
1)	A container with $3\frac{1}{3}$ gallons of weed killer can spray $3\frac{1}{4}$ lawns. How many gallons would it take to spray 7 lawns?	1
2)	A cookie recipe called for $3^{1/2}$ cups of sugar for every $3^{1/2}$ cups of flour. If you made a batch of cookies using 4 cup of flour, how many cups of sugar would you need?	2. 3.
3)	A machine made $3\frac{1}{6}$ pencils in $\frac{2}{3}$ of a minute. It made pencils at a rate of how many per minute?	4. 5.
4)	It takes $2\frac{1}{2}$ spoons of chocolate syrup to make $\frac{1}{2}$ of a gallon of chocolate milk. How many spoons of syrup would it take to make 1 gallon of chocolate milk?	6. 7.
5)	A water faucet leaked $2\frac{3}{4}$ liters of water every $\frac{1}{2}$ of an hour. It leaked at a rate of how many liters per hour?	8 9
6)	A printer cartridge with $2\frac{5}{6}$ milliliters of ink will print off $\frac{2}{4}$ of a box of paper. How many milliliters of ink will it take to print an entire box?	10
7)	A bike tire was $\frac{2}{3}$ full. It took a small air compressor $3\frac{1}{6}$ seconds to fill it up. How long would it have taken to fill an empty tire?	
8)	A carpenter goes through $3^2/_3$ boxes of nails finishing $3^2/_6$ of a roof. How much would he use finishing the entire roof?	
9)	A chef had to fill up $2\frac{4}{6}$ containers with mashed potatoes. He ended up using $2\frac{1}{2}$ pounds of mashed potatoes. How many pounds would he use if he had to fill up 6 containers?	
10)	It takes $3\frac{3}{6}$ gallons of water to fill up $3\frac{4}{6}$ containers. How much water would it take to fill 9 containers?	

	Using Units Rates with Fractions Name: Ar e each problem. Answer as a mixed number (if possible).	iswer Key
1)	A container with $3\frac{1}{3}$ gallons of weed killer can spray $3\frac{1}{4}$ lawns. How many gallons would it take to spray 7 lawns?	$\frac{\text{Answers}}{1. \frac{7^{7}}{39}}$
2)	A cookie recipe called for $3\frac{1}{2}$ cups of sugar for every $3\frac{1}{2}$ cups of flour. If you made a batch of cookies using 4 cup of flour, how many cups of sugar would you need?	$\begin{array}{c} 2. & -4 \\ 3. & -4 \\ -4 \\ -5 \\ -5 \\ -6 \\ -6 \\ -6 \\ -6 \\ -6 \\ -6$
3)	A machine made $3\frac{1}{6}$ pencils in $\frac{2}{3}$ of a minute. It made pencils at a rate of how many per minute?	4. $5/2$ 5. $5/4$ -8/
4)	It takes $2\frac{1}{2}$ spoons of chocolate syrup to make $\frac{1}{2}$ of a gallon of chocolate milk. How many spoons of syrup would it take to make 1 gallon of chocolate milk?	6. $\frac{5}{12}$ 7. $\frac{4^{9}}{12}$
5)	A water faucet leaked $2\frac{3}{4}$ liters of water every $\frac{1}{2}$ of an hour. It leaked at a rate of how many liters per hour?	8. $7/_9$ 9. $5^{20}/_{32}$
6)	A printer cartridge with $2\frac{5}{6}$ milliliters of ink will print off $\frac{2}{4}$ of a box of paper. How many milliliters of ink will it take to print an entire box?	10. 8 / ₁₃₂
7)	A bike tire was $\frac{2}{3}$ full. It took a small air compressor $3\frac{1}{6}$ seconds to fill it up. How long would it have taken to fill an empty tire?	
8)	A carpenter goes through $3^2/_3$ boxes of nails finishing $3^2/_6$ of a roof. How much would he use finishing the entire roof?	
9)	A chef had to fill up $2\frac{4}{6}$ containers with mashed potatoes. He ended up using $2\frac{1}{2}$ pounds of mashed potatoes. How many pounds would he use if he had to fill up 6 containers?	
10)	It takes $3\frac{3}{6}$ gallons of water to fill up $3\frac{4}{6}$ containers. How much water would it take to fill 9 containers?	

		Using Un	its Rates with F	Fractions	Name:	
Solve each problem. Answer as a mixed number (if possible).						
	5 ⁸ / ₁₂	$4^{0}/_{14}$	$7^{3}/_{9}$	5 ²⁰ / ₃₂	7 ⁷ / ₃₉	1
	4 ⁹ / ₁₂	8 ⁷⁸ / ₁₃₂	$5^{2}/_{4}$	$5^{0}/_{2}$	4 ⁹ / ₁₂	1
1)	A container w it take to spray		eed killer can spra	ay $3\frac{1}{4}$ lawns. How	many gallons would	2 3
2)	-	be called for $3\frac{1}{2}$ cup es using 4 cup of flo	-		-	4 5
3)	A machine ma minute?	de $3\frac{1}{6}$ pencils in $\frac{2}{3}$	$\frac{1}{3}$ of a minute. It m	ade pencils at a rate	e of how many per	 6 7
4)		oons of chocolate s		-		8 9.
5)	A water fauce many liters pe	t leaked $2\frac{3}{4}$ liters of r hour?	f water every $\frac{1}{2}$ o	f an hour. It leaked	at a rate of how	10
6)		idge with $2\frac{5}{6}$ millil nk will it take to prim		tint off $\frac{2}{4}$ of a box	of paper. How many	
7)		s $\frac{2}{3}$ full. It took a sittaken to fill an emp	-	or $3\frac{1}{6}$ seconds to fi	ll it up. How long	
8)		bes through $3^2/_3$ box he entire roof?	es of nails finishi	ng $\frac{3}{6}$ of a roof. How	w much would he	
9)		fill up $2\frac{4}{6}$ contained atoes. How many point of the second	-	-		
10)	It takes $3\frac{3}{6}$ ga 9 containers?	llons of water to fil	l up $3\frac{4}{6}$ container	s. How much water	would it take to fill	

	Using Units Rates with Fractions Name:	
Solv	e each problem. Answer as a mixed number (if possible).	Answers
1)	It takes $2^{1/2}$ spoons of chocolate syrup to make $2^{1/2}$ gallons of chocolate milk. How many spoons of syrup would it take to make 7 gallons of chocolate milk?	1
2)	A printer cartridge with $2\frac{1}{2}$ 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?	2 3
3)	A cookie recipe called for $2^2/_3$ cups of sugar for every $2^2/_3$ cup of flour. If you made a batch of cookies using 1 cup of flour, how many cups of sugar would you need?	4 5
4)	A bag with $3\frac{1}{3}$ ounces of peanuts can make $\frac{4}{5}$ of a jar of peanut butter. It can make one full jar with how many ounces of peanuts?	6 7
5)	A carpenter goes through $3^2/_3$ boxes of nails finishing $3^1/_6$ rooves. How much would he use finishing 3 rooves?	8. 9.
6)	A tire shop had to fill $3\frac{1}{3}$ tires with air. It took a small air compressor $3\frac{1}{4}$ seconds to fill them up. How long would it take to fill 2 tires?	10
7)	A container with $3\frac{1}{4}$ liters of weed killer can spray $\frac{2}{5}$ of a lawn. How many liters would it take to spray 1 entire lawn?	
8)	A water faucet leaked $3\frac{4}{5}$ liters of water over the course of $3\frac{2}{5}$ hours. How many liters would it have leaked after 5 hours?	
9)	A chef had to fill up $\frac{3}{5}$ of a container with mashed potatoes. He ended up using $\frac{3}{2}$ pounds of mashed potatoes. How many pounds would he use if he had to fill up the entire container?	
10)	A bucket of water was $\frac{3}{6}$ full, but it still had $2\frac{1}{2}$ gallons of water in it. How much water would be in one fully filled bucket?	
	Math www.CommonCoreSheets.com 6	50 40 30 20 10 0

	Using Units Rates with Fractions Name: An	swer Key
Solv	e each problem. Answer as a mixed number (if possible).	Answers
1)	It takes $2\frac{1}{2}$ spoons of chocolate syrup to make $2\frac{1}{2}$ gallons of chocolate milk. How many spoons of syrup would it take to make 7 gallons of chocolate milk?	1. 7 ⁰ / ₁₀
2)	A printer cartridge with $2\frac{1}{2}$ 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?	2. $\frac{7^{1}/_{2}}{4^{0}/_{6}}$ 3. $\frac{4^{0}/_{6}}{4^{2}/_{6}}$
3)	A cookie recipe called for $2^2/_3$ cups of sugar for every $2^3/_3$ cup of flour. If you made a batch of cookies using 1 cup of flour, how many cups of sugar would you need?	4. $\frac{4}{3^{27}}$
4)	A bag with $3\frac{1}{3}$ ounces of peanuts can make $\frac{4}{5}$ of a jar of peanut butter. It can make one full jar with how many ounces of peanuts?	6. $\frac{1}{940}$ 7. $\frac{8^{1}/8}{50/3}$
5)	A carpenter goes through $3^2/_3$ boxes of nails finishing $3^1/_6$ rooves. How much would he use finishing 3 rooves?	8. $5 \frac{5}{85}$ 9. $5\frac{5}{6}$ $5^{0}/$
6)	A tire shop had to fill $3\frac{1}{3}$ tires with air. It took a small air compressor $3\frac{1}{4}$ seconds to fill them up. How long would it take to fill 2 tires?	106
7)	A container with $3\frac{1}{4}$ liters of weed killer can spray $\frac{2}{5}$ of a lawn. How many liters would it take to spray 1 entire lawn?	
8)	A water faucet leaked $3^{4/5}$ liters of water over the course of $3^{2/5}$ hours. How many liters would it have leaked after 5 hours?	
9)	A chef had to fill up $\frac{3}{5}$ of a container with mashed potatoes. He ended up using $\frac{3}{2}$ pounds of mashed potatoes. How many pounds would he use if he had to fill up the entire container?	
10)	A bucket of water was $\frac{3}{6}$ full, but it still had $2\frac{1}{2}$ gallons of water in it. How much water would be in one fully filled bucket?	
	Math www.CommonCoreSheets.com 6	50 40 30 20 10 0

		Using Un	its Rates with F	ractions	Name:	
Solv		n. Answer as a mix		ssible).		Answers
	$4^{0}/_{6}$	5 ⁵⁰ / ₈₅	$4^{2}/_{12}$	8 ¹ / ₈	$3^{27}/_{57}$	
	$5^{0}/_{6}$	$5^{5}/_{6}$	$1^{38}/_{40}$	$7^{1}/_{2}$	$7^{0}/_{10}$	1
1)		poons of chocolate s up would it take to r				2. 3.
2)	-	Fidge with $2\frac{1}{2}$ millink will it take to pri	-	int off $\frac{1}{3}$ of a box	of paper. How many	4. 5.
3)		pe called for $2^2/_3$ cup of flour, h			If you made a batch ed?	6. 7.
4)	-	$\frac{1}{3}$ ounces of peanuts ow many ounces of		jar of peanut butter	r. It can make one	8 9
5)	A carpenter go finishing 3 roo		tes of nails finishin	g $3\frac{1}{6}$ rooves. How	/ much would he use	10
6)	_	d to fill $3\frac{1}{3}$ tires wire the set of the take of the set of		all air compressor	$3\frac{1}{4}$ seconds to fill	
7)	A container w take to spray 1		ed killer can spray	$\frac{2}{5}$ of a lawn. How	many liters would it	
8)		t leaked $3\frac{4}{5}$ liters o leaked after 5 hours		surse of $3^2/_5$ hours.	How many liters	
9)		fill up $\frac{3}{5}$ of a conta shed potatoes. How	-			
10)		rater was $\frac{3}{6}$ full, bunches fully filled bucke		llons of water in it.	How much water	
	Math	Modif www.CommonC		6	1-10 90 80 70 60	50 40 30 20 10 0

	Using Units Rates with Fractions Name:	
Solv	e each problem. Answer as a mixed number (if possible).	Answers
1)	A printer cartridge with $3\frac{4}{6}$ milliliters of ink will print off $\frac{4}{6}$ of a box of paper. How many milliliters of ink will it take to print an entire box?	1
2)	It takes $2^{2/6}$ spoons of chocolate syrup to make $1/2$ of a gallon of chocolate milk. How many spoons of syrup would it take to make 1 gallon of chocolate milk?	2 3
3)	A tire shop had to fill $3^{2}/_{3}$ tires with air. It took a small air compressor $3^{1}/_{2}$ seconds to fill them up. How long would it take to fill 6 tires?	4 5
4)	A container with $3\frac{1}{5}$ gallons of weed killer can spray $2\frac{2}{6}$ lawns. How many gallons would it take to spray 8 lawns?	6. 7.
5)	A machine made $2\frac{3}{6}$ pencils in $\frac{1}{4}$ of a minute. It made pencils at a rate of how many per minute?	8 9
6)	A water faucet leaked $3^{4}/_{5}$ liters of water over the course of $2^{1}/_{5}$ hours. How many liters would it have leaked after 3 hours?	10
7)	A bucket of water was $\frac{5}{6}$ full, but it still had $2\frac{1}{3}$ gallons of water in it. How much water would be in one fully filled bucket?	
8)	A chef had to fill up $2\frac{1}{2}$ containers with mashed potatoes. He ended up using $2\frac{2}{5}$ pounds of mashed potatoes. How many pounds would he use if he had to fill up 7 containers?	
9)	A bag with $3\frac{1}{2}$ quarts of peanuts can make $3\frac{1}{3}$ jars of peanut butter. How many quarts of peanuts would you need to make 3 jars?	
10)	A cookie recipe called for $3\frac{1}{2}$ cups of sugar for every $\frac{1}{2}$ cup of flour. If you made a batch of cookies using 1 cup of flour, how many cups of sugar would you need?	

	Using Units Rates with Fractions Name: An e each problem. Answer as a mixed number (if possible).	swer Key
		Answers
1)	A printer cartridge with $3\frac{4}{6}$ milliliters of ink will print off $\frac{4}{6}$ of a box of paper. How many milliliters of ink will it take to print an entire box?	1. $5^{12}/_{24}$
	1	2. 4⁴/ ₆
2)	It takes $2\frac{2}{6}$ spoons of chocolate syrup to make $\frac{1}{2}$ of a gallon of chocolate milk. How	5 ¹⁶ /
	many spoons of syrup would it take to make 1 gallon of chocolate milk?	$3 \frac{5722}{1068}$
		4. $10^{68}/_{70}$
3)	A tire shop had to fill $3\frac{2}{3}$ tires with air. It took a small air compressor $3\frac{1}{2}$ seconds to fill them up. How long would it take to fill 6 tires?	5. <u>10⁶/6</u>
		6. 5¹⁰/ 55
4)	A container with $3\frac{1}{5}$ gallons of weed killer can spray $2\frac{2}{6}$ lawns. How many gallons would	$2^{12}/$
	it take to spray 8 lawns?	/ 18/
5)	3	8. <u>0</u> / ₂₅
5)	A machine made $2\frac{3}{6}$ pencils in $\frac{1}{4}$ of a minute. It made pencils at a rate of how many per minute?	9. $3^{3/20}$
		10. 7 /2
6)	A water faucet leaked $3\frac{4}{5}$ liters of water over the course of $2\frac{1}{5}$ hours. How many liters would it have leaked after 3 hours?	
7)	A bucket of water was $\frac{5}{6}$ full, but it still had $2\frac{1}{3}$ gallons of water in it. How much water would be in one fully filled bucket?	
8)	A chef had to fill up $2\frac{1}{2}$ containers with mashed potatoes. He ended up using $2\frac{2}{5}$ pounds of mashed potatoes. How many pounds would he use if he had to fill up 7 containers?	
9)	A bag with $3\frac{1}{2}$ quarts of peanuts can make $3\frac{1}{3}$ jars of peanut butter. How many quarts of peanuts would you need to make 3 jars?	
10)	A cookie recipe called for $3\frac{1}{2}$ cups of sugar for every $\frac{1}{2}$ cup of flour. If you made a batch of cookies using 1 cup of flour, how many cups of sugar would you need?	

	Using Units Rates with Fractions Name:	
Solv	e each problem. Answer as a mixed number (if possible).	Answers
\square	$2^{12}/_{15}$ $10^{68}/_{70}$ $5^{10}/_{55}$ $4^{4}/_{6}$ $7^{0}/_{2}$	
		1.
	10^{0}_{6} 3^{3}_{20} 5^{16}_{22} 6^{18}_{25} 5^{12}_{24}	
1)	A printer cartridge with $3\frac{4}{6}$ milliliters of ink will print off $\frac{4}{6}$ of a box of paper. How many milliliters of ink will it take to print an entire box?	2 3
2)	It takes $2^{2}/_{6}$ spoons of chocolate syrup to make $1/_{2}$ of a gallon of chocolate milk. How many spoons of syrup would it take to make 1 gallon of chocolate milk?	4 5
3)	A tire shop had to fill $3^2/_3$ tires with air. It took a small air compressor $3^1/_2$ seconds to fill them up. How long would it take to fill 6 tires?	6 7
4)	A container with $3\frac{1}{5}$ gallons of weed killer can spray $2\frac{2}{6}$ lawns. How many gallons would it take to spray 8 lawns?	8
5)	A machine made $2\frac{3}{6}$ pencils in $\frac{1}{4}$ of a minute. It made pencils at a rate of how many per minute?	10
6)	A water faucet leaked $3\frac{4}{5}$ liters of water over the course of $2\frac{1}{5}$ hours. How many liters would it have leaked after 3 hours?	
7)	A bucket of water was $\frac{5}{6}$ full, but it still had $2\frac{1}{3}$ gallons of water in it. How much water would be in one fully filled bucket?	
8)	A chef had to fill up $2\frac{1}{2}$ containers with mashed potatoes. He ended up using $2\frac{2}{5}$ pounds of mashed potatoes. How many pounds would he use if he had to fill up 7 containers?	
9)	A bag with $3\frac{1}{2}$ quarts of peanuts can make $3\frac{1}{3}$ jars of peanut butter. How many quarts of peanuts would you need to make 3 jars?	
10)	A cookie recipe called for $3\frac{1}{2}$ cups of sugar for every $\frac{1}{2}$ cup of flour. If you made a batch of cookies using 1 cup of flour, how many cups of sugar would you need?	
	Math Modified 7 1-10 90 80 70 60	50 40 30 20 10 0

	Using Units Rates with Fractions Name:	
Solv	e each problem. Answer as a mixed number (if possible).	Answers
1)	It takes $2\frac{3}{5}$ spoons of chocolate syrup to make $2\frac{1}{3}$ gallons of chocolate milk. How many spoons of syrup would it take to make 8 gallons of chocolate milk?	1
2)	A carpenter goes through $3\frac{1}{3}$ boxes of nails finishing $\frac{1}{2}$ of a roof. How much would he use finishing the entire roof?	2. 3.
3)	It takes $3^{2}/_{4}$ yards of thread to make $\frac{2}{6}$ of a sock. How many yards of thread will it take to make an entire sock?	4. 5.
4)	It takes $3\frac{1}{6}$ gallons of water to fill up $3\frac{1}{3}$ containers. How much water would it take to fill 2 containers?	6. 7.
5)	A cookie recipe called for $3\frac{3}{5}$ cups of sugar for every $\frac{3}{5}$ cup of flour. If you made a batch of cookies using 1 cup of flour, how many cups of sugar would you need?	8. 9.
6)	A container with $3\frac{1}{5}$ gallons of weed killer can spray $3\frac{1}{2}$ lawns. How many gallons would it take to spray 8 lawns?	10
7)	A printer cartridge with $3\frac{1}{2}$ milliliters of ink will print off $\frac{4}{5}$ of a box of paper. How many milliliters of ink will it take to print an entire box?	
8)	A bag with $3\frac{1}{4}$ ounces of peanuts can make $\frac{3}{6}$ of a jar of peanut butter. It can make one full jar with how many ounces of peanuts?	
9)	A chef had to fill up $2\frac{1}{4}$ containers with mashed potatoes. He ended up using $2\frac{3}{4}$ pounds of mashed potatoes. How many pounds would he use if he had to fill up 7 containers?	
10)	A bike tire was $\frac{4}{5}$ full. It took a small air compressor $2\frac{1}{4}$ seconds to fill it up. How long would it have taken to fill an empty tire?	
		<u> </u>

	Using Units Rates with Fractions Name: An	swer Key
Solv	e each problem. Answer as a mixed number (if possible).	Answers
1)	It takes $2\frac{3}{5}$ spoons of chocolate syrup to make $2\frac{1}{3}$ gallons of chocolate milk. How many spoons of syrup would it take to make 8 gallons of chocolate milk?	1. $\frac{8^{32}}{35}$
2)	A carpenter goes through $3\frac{1}{3}$ boxes of nails finishing $\frac{1}{2}$ of a roof. How much would he use finishing the entire roof?	2. $6\frac{7}{3}$ 3. $10\frac{4}{8}$ 1. $1\frac{54}{4}$
3)	It takes $3^2/_4$ yards of thread to make $2^2/_6$ of a sock. How many yards of thread will it take to make an entire sock?	4. $1^{-7} \frac{60}{60}$ 5. $6^{-7} \frac{11}{15}$
4)	It takes $3\frac{1}{6}$ gallons of water to fill up $3\frac{1}{3}$ containers. How much water would it take to fill 2 containers?	$\begin{array}{c} 6. \\ - & -7. \\ - & -4^3 \\ - & -6^6 \\ $
5)	A cookie recipe called for $3\frac{3}{5}$ cups of sugar for every $\frac{3}{5}$ cup of flour. If you made a batch of cookies using 1 cup of flour, how many cups of sugar would you need?	8. $\frac{0^{1}12}{9. \frac{8^{20}}{36}}$
6)	A container with $3\frac{1}{5}$ gallons of weed killer can spray $3\frac{1}{2}$ lawns. How many gallons would it take to spray 8 lawns?	10. <u>10.</u> <u>16</u>
7)	A printer cartridge with $3\frac{1}{2}$ milliliters of ink will print off $\frac{4}{5}$ of a box of paper. How many milliliters of ink will it take to print an entire box?	
8)	A bag with $3\frac{1}{4}$ ounces of peanuts can make $\frac{3}{6}$ of a jar of peanut butter. It can make one full jar with how many ounces of peanuts?	
9)	A chef had to fill up $2\frac{1}{4}$ containers with mashed potatoes. He ended up using $2\frac{3}{4}$ pounds of mashed potatoes. How many pounds would he use if he had to fill up 7 containers?	
10)	A bike tire was $\frac{4}{5}$ full. It took a small air compressor $2\frac{1}{4}$ seconds to fill it up. How long would it have taken to fill an empty tire?	
	Math www.CommonCoreSheets.com 8 1-10 90 80 70 60	50 40 30 20 10 0

		Using Un	its Rates with F	ractions	Name:		
Solv	Solve each problem. Answer as a mixed number (if possible). Answers						
ſ	8 ³² / ₃₅	8 ²⁰ / ₃₆	$1^{54}/_{60}$	$4^{3}/_{8}$	$6^{0}/_{15}$		
	$2^{13}/_{16}$	$6^{2}/_{3}$	$10^{4}/_{8}$	$6^{6}/_{12}$	$7^{11}/_{35}$	1	
1)	<i>e</i> -	poons of chocolate sy up would it take to m			e milk. How many	2 3	
2)		the entire roof? $3\frac{1}{3}$ box	es of nails finishin	$g^{1/2}$ of a roof. How	w much would he	4 5	
3)	It takes $3^2/_4$ ya make an entire	ards of thread to make e sock?	$\frac{2}{6}$ of a sock. He	ow many yards of t	hread will it take to	 6 7 	
4)	It takes $3\frac{1}{6}$ ga 2 containers?	allons of water to fill	$1 \text{ up } 3^{1/3} \text{ containers}$	a. How much water	r would it take to fill	8 9.	
5)	-	pe called for $3^3/_5$ cup ng 1 cup of flour, ho	-		-	10	
6)	A container w it take to spray	•	eed killer can spra	y $3\frac{1}{2}$ lawns. How	many gallons would		
7)	-	ridge with $3\frac{1}{2}$ millil nk will it take to prin	-	int off $\frac{4}{5}$ of a box	of paper. How many		
8)		$\frac{1}{4}$ ounces of peanuts ow many ounces of $\frac{1}{2}$		jar of peanut butter	r. It can make one		
9)		fill up $2\frac{1}{4}$ containent tatoes. How many po	-	-	• • •		
10)		$\frac{4}{5}$ full. It took a state to fill an empty	-	or $2^{1/4}$ seconds to fi	ll it up. How long		
		Modifi	od		1-10 90 80 70 60	50 40 30 20 10 0	

	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?				

	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. $\frac{7^{0}}{4}$
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. $\frac{7}{6}$ $2^{84}/$
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?	
	spoons of syrup would it take to make 2 gallons of chocolate milk?	

	Using Units Rates with Fractions Name:					
Solv	Solve each problem. Answer as a mixed number (if possible). 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				
2)	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 $3\frac{2}{5}$ gallons of weed killer can spray $2\frac{2}{3}$ lawns. How many gallons would it take to spray 8 lawns?					
	It take to spray o lawins:					
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 Modified 9 1-10 90 80 70 6	0 50 40 30 20 10 0				

	Using Units Rates with Fractions Name:			
Solve each problem. Answer as a mixed number (if possible).				
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?	

Math

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		Using Un	its Rates with Fr	actions	Name:	
						Answers
\square	$5^{10}/_{18}$	8 ¹⁸ / ₂₄	$7^{28}/_{50}$	6 ⁶⁰ / ₉₅	$16^{0}/_{5}$	
						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 leaked $3^{2}/_{6}$ liters of water every $3^{2}/_{5}$ of an hour. It leaked at a rate of how many liters per hour?					4 5
3)	A container with 3 ¹ take to spray 1 entit	•	ed killer can spray	$\frac{1}{5}$ of a lawn. How $\frac{1}{5}$	many liters would it	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 $3\frac{3}{5}$ kilometers of thread to make $3\frac{1}{3}$ boxes of shirts. How many kilometers of thread will it take to make 7 boxes?					10
6)	A tire shop had to f them up. How long	-		all air compressor 3	$3^{3/5}$ seconds to fill	
7)	It takes $3\frac{4}{5}$ spoons many spoons of syn		0	-		
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