	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 $\frac{2}{2}$ 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	swor Koy
 Solv	swer Key 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. $3^{2}/_{20}$ 3. $5^{2}/_{8}$ 10 <sup>0</sup> /
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. $6^{24}/_{26}$ $6^{2}/_{36}$
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. $3^{5}/_{9}$ 7. $3^{5}/_{9}$
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. $9^{37}/_{55}$
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. 38
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?	
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		Using Units	s Rates with Fr	actions	Name:							
Solve each problem. Answer as a mixed number (if possible). Answers												
$\bigcap$	$4^{28}/_{38}$	$4^{1}/_{6}$	$5^{2}/_{8}$	$6^{2}/_{30}$	1 <sup>58</sup> / <sub>102</sub>	1.						
	9 <sup>37</sup> / <sub>55</sub>	3 <sup>5</sup> / <sub>9</sub>	$3^{15}/_{20}$	$10^{0}/_{3}$	6 <sup>24</sup> / <sub>26</sub>	_						
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	4										
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	<sup>9.</sup> –						
6)	A printer cartridge wi milliliters of ink will i	Ũ	-	nt off $2\frac{1}{2}$ reams of	paper. How many							
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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							