	Using Units Rates with Fractions Name:	
Solv	e each problem. Answer as a mixed number (if possible).	Answers
1)	A container with $3\frac{1}{4}$ gallons of weed killer can spray $3\frac{1}{3}$ lawns. How many gallons would it take to spray 9 lawns?	1
2)	A printer cartridge with $2\frac{1}{5}$ milliliters of ink will print off $3\frac{1}{2}$ reams of paper. How many milliliters of ink will it take to print 2 reams?	2 3
3)	A bucket of water was $\frac{1}{2}$ full, but it still had $3\frac{2}{3}$ gallons of water in it. How much water would be in one fully filled bucket?	4 5
4)	A carpenter goes through $2\frac{3}{4}$ boxes of nails finishing $2\frac{1}{2}$ rooves. How much would he use finishing 9 rooves?	6. 7.
5)	A cookie recipe called for $3\frac{1}{2}$ cups of sugar for every $3\frac{3}{6}$ cups of flour. If you made a batch of cookies using 6 cup of flour, how many cups of sugar would you need?	8. 9.
6)	A machine made $3\frac{1}{4}$ pencils in $\frac{3}{5}$ of a minute. It made pencils at a rate of how many per minute?	10
7)	A bike tire was $\frac{1}{2}$ full. It took a small air compressor $2\frac{1}{3}$ seconds to fill it up. How long would it have taken to fill an empty tire?	
8)	A bag with $3\frac{5}{6}$ 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?	
9)	It takes $3^{2}/_{3}$ spoons of chocolate syrup to make $2^{2}/_{3}$ of a gallon of chocolate milk. How many spoons of syrup would it take to make 1 gallon of chocolate milk?	
10)	A water faucet leaked $2\frac{1}{2}$ liters of water over the course of $2\frac{2}{3}$ hours. How many liters would it have leaked after 2 hours?	
	Math www.CommonCoreSheets.com	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)	A container with $3\frac{1}{4}$ gallons of weed killer can spray $3\frac{1}{3}$ lawns. How many gallons would it take to spray 9 lawns?	1. $\frac{8^{31}}{40}$
2)	A printer cartridge with $2\frac{1}{5}$ milliliters of ink will print off $3\frac{1}{2}$ reams of paper. How many milliliters of ink will it take to print 2 reams?	2. $7^{1/35}$ 3. $7^{1/3}$
3)	A bucket of water was $\frac{1}{2}$ full, but it still had $3\frac{2}{3}$ gallons of water in it. How much water would be in one fully filled bucket?	4. $9^{7}/_{20}$ 5. $6^{7}/_{42}$
4)	A carpenter goes through $2\frac{3}{4}$ boxes of nails finishing $2\frac{1}{2}$ rooves. How much would he use finishing 9 rooves?	6. $\frac{5'_{12}}{4'_{3}}$
5)	A cookie recipe called for $3\frac{1}{2}$ cups of sugar for every $3\frac{3}{6}$ cups of flour. If you made a batch of cookies using 6 cup of flour, how many cups of sugar would you need?	8. $11\frac{3}{6}$ 9. $5\frac{3}{6}$ $1^{14}/$
6)	A machine made $3\frac{1}{4}$ pencils in $\frac{3}{5}$ of a minute. It made pencils at a rate of how many per minute?	10. <u>1 / 16</u>
7)	A bike tire was $\frac{1}{2}$ full. It took a small air compressor $2\frac{1}{3}$ seconds to fill it up. How long would it have taken to fill an empty tire?	
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Math

Solve each problem. Answer as a mixed number (if possible). 9 ¹⁸ / ₂₀ $5^{3}/_{6}$ $5^{5}/_{12}$ $1^{14}/_{16}$ $1^{9}/_{35}$ $4^{2}/_{3}$ $8^{31}/_{40}$ $7^{1}/_{3}$ $11^{3}/_{6}$ $6^{0}/_{42}$ 1) A container with $3^{1}/_{4}$ gallons of weed killer can spray $3^{1}/_{3}$ lawns. How many gallons would it take to spray 9 lawns? 2) A printer cartridge with $2^{1}/_{5}$ milliliters of ink will print off $3^{1}/_{2}$ reams of paper. How many milliliters of ink will it take to print 2 reams? 3) A bucket of water was $\frac{1}{2}$ full, but it still had $3^{2}/_{3}$ gallons of water in it. How much water would be in one fully filled bucket? 4) A carpenter goes through $2^{3}/_{4}$ boxes of nails finishing $2^{1}/_{2}$ rooves. How much would he use finishing 9 rooves? 5) A cookie recipe called for $3^{1}/_{2}$ cups of sugar for every $3^{3}/_{6}$ cups of flour. If you made a height of methods for subconsisting for every $3^{3}/_{6}$ cups of flour. If you made a height of methods for subconsist for every $3^{3}/_{6}$ cups of flour. If you made a height of methods in the process of the process mean reaction and a subconstruction of the process mean reaction.	
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Modified 1-10 90 80 70 60 50 40 30 20 Math www.CommonCoreSheets.com 1-10 90 80 70 60 50 40 30 20	