| | Using Units Rates with Fractions Name: | | | | | | | |
|--|---|---------|--|--|--|--|--|--|
| Solve each problem. Answer as a mixed number (if possible). Answer | | | | | | | | |
| 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 $2^{2}/_{6}$ 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? | | | | | | | |
| | | l | | | | | | |

| | Using Units Rates with Fractions Name: An | swer Key | | | | | | | |
|--|---|---|--|--|--|--|--|--|--|
| Solve each problem. Answer as a mixed number (if possible). Answer | | | | | | | | | |
| 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. $\frac{6}{_3}$ 3. $\frac{10^4}{_8}$ | | | | | | | |
| 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}_{60} 5. 6^{-7}_{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? | $\begin{array}{c} 0. \\ - & - & - & - \\ 7. \\ - & - & - & - \\ - & - & - & - \\ - & - &$ | | | | | | | |
| 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. $\frac{0}{12}$ 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 Units Rates with Fractions Name: | | | | | | | | | |
|---|---|---------------------------------|------------------------------|---|---|------------------|--|--|--|--|
| 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) | It takes $2^{3/5}$ spoor | - | | allons of chocolat | e milk. How many | 2. 3. | | | | |
| 2) | A carpenter goes use finishing the | • • | es of nails finishin | $g^{1/2}$ of a roof. How | w much would he | 4 5 | | | | |
| 3) | It takes $3^2/_4$ yards make an entire so | | $\frac{2}{6}$ of a sock. Ho | w many yards of t | hread will it take to | 6 7 | | | | |
| 4) | It takes $3\frac{1}{6}$ gallo 2 containers? | ns of water to fill | up $3\frac{1}{3}$ containers | . How much water | would it take to fill | 8 9. | | | | |
| 5) | _ | <i>u</i> = | - | $\frac{3}{5}$ cup of flour. I agar would you ne | If you made a batch ed? | 10 | | | | |
| 6) | A container with it take to spray 8 | • | eed killer can spra | $y \frac{3}{2}$ lawns. How | many gallons would | | | | | |
| 7) | A printer cartridg milliliters of ink | - | - | nt off $\frac{4}{5}$ of a box | of paper. How many | | | | | |
| 8) | A bag with $3\frac{1}{4}$ o full jar with how | | • | ar of peanut butter | r. It can make one | | | | | |
| 9) | | | - | atoes. He ended up e if he had to fill u | p using $2\frac{3}{4}$ pounds p 7 containers? | | | | | |
| 10) | A bike tire was $\frac{4}{7}$ would it have tak | • | - | $r 2^{1/4}$ seconds to fi | ll it up. How long | | | | | |
| | | Modifi | od | 0 | 1-10 90 80 70 60 | 50 40 30 20 10 0 | | | | |