| | 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 $2^{4}/_{3}$ 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? | | |
| | | | |

Math

| | Using Units Rates with Fractions Name: An | iswer Key |
|------|---|--|
| Solv | 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 $2^{2}/_{3}$ of a minute. It made pencils at a rate of how many per minute? | 2. $\frac{4/_{6}}{4/_{15}}$ 3. $\frac{4/_{6}}{4/_{15}}$ |
| 3) | A water faucet leaked $2^{2/5}$ liters of water every $3/5$ of an hour. It leaked at a rate of how many liters per hour? | 4. $\frac{4^{7}}{10}$ 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_{10}^{-1} 7. 7_{4}^{-1} |
| 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 | Solve each problem. Answer as a mixed number (if possible). Answers | | | | | | | | | | |
| \bigcap | $1^{36}/_{42}$ | 7 ⁸ / ₁₀ | $4^{2}/_{10}$ | 4 ³⁶ / ₆₀ | 4 ⁰ / ₁₅ | | | | | | |
| | | $4^{0}/_{6}$ | $11^{2}/_{10}$ | -7^{0} | | 1 | | | | | |
| | 8 ⁵⁰ / ₆₈ | 4/ ₆ | 11/10 | //4 | 4 ⁸ / ₁₀ | | | | | | |
| 1) | A cookie recipe | f you made a batch | 2 | | | | | | | | |
| | of cookies using | | | | | | | | | | |
| | U | 3 | | | | | | | | | |
| 2) | | 4 | | | | | | | | | |
| 2) | A machine made | · · · · · · · · · · · · · · · · · · · | | | | | | | | | |
| | 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 | | | | | | | | | | |
| | | | | | | 7 | | | | | |
| 4) | | | 1^{2} | | 1 11 1 1 1 | | | | | | |
| | It takes $3\frac{1}{5}$ yards make an entire so | 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 | $\lim_{n \to \infty} \frac{2}{n} \int dt dt = 0$ | ainer with mashed | potatoes. He ended | up using $2^3/_2$ | | | | | | |
| | | - 0 | | uld he use if he had | 0 | | | | | | |
| | container? | 1 | 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 cortride | The with 2^{1} mill | ilitars of ink will a | rint off $2^{1/3}$ reams of | fnaner How mony | | | | | | |
| , | milliliters of ink | | | 27_3 reallis of | i paper. How many | | | | | | |
| | | in the tanke to pr | <i>, _ , , , , , , , , , , , , , , , , </i> | | | | | | | | |
| 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 | | | | | | | |