Solve each problem. Answer as a mixed number (if possible).

1) A carpenter goes through $3\frac{5}{6}$ boxes of nails finishing $\frac{1}{2}$ of a roof. How much would he use finishing the entire roof?

1. _____

2) A water faucet leaked $3\frac{2}{3}$ liters of water over the course of $2\frac{2}{4}$ hours. How many liters would it have leaked after 3 hours?

2. _____

3. _____

3) It takes $3\frac{1}{2}$ spoons of chocolate syrup to make $3\frac{2}{3}$ gallons of chocolate milk. How many spoons of syrup would it take to make 7 gallons of chocolate milk?

4. _____

5. _____

4) It takes $3\frac{1}{4}$ gallons of water to fill up $3\frac{1}{3}$ containers. How much water would it take to fill 5 containers?

6. _____

7. _____

5) It takes $2\frac{1}{2}$ yards of thread to make $\frac{3}{5}$ of a sock. How many yards of thread will it take to make an entire sock?

8. _____

9. _____

6) A bag with $2\frac{1}{4}$ ounces of peanuts can make $\frac{2}{6}$ of a jar of peanut butter. It can make one full jar with how many ounces of peanuts?

10. _____

7) A container with $3\frac{4}{6}$ gallons of weed killer can spray $3\frac{1}{4}$ lawns. How many gallons would it take to spray 5 lawns?

8) A cookie recipe called for $2\frac{3}{4}$ cups of sugar for every $2\frac{3}{4}$ cups of flour. If you made a batch of cookies using 2 cup of flour, how many cups of sugar would you need?

9) A chef had to fill up $\frac{4}{6}$ of a container with mashed potatoes. He ended up using $2\frac{2}{3}$ pounds of mashed potatoes. How many pounds would he use if he had to fill up the entire container?

10) A machine made $3\frac{2}{4}$ pencils in $\frac{1}{2}$ of a minute. It made pencils at a rate of how many per minute?

Math

Solve each problem. Answer as a mixed number (if possible).

1) A carpenter goes through $3\frac{5}{6}$ boxes of nails finishing $\frac{1}{2}$ of a roof. How much would he use finishing the entire roof?

1. $7\frac{4}{6}$

2) A water faucet leaked $3\frac{2}{3}$ liters of water over the course of $2\frac{2}{4}$ hours. How many liters would it have leaked after 3 hours?

2. $4\frac{12}{30}$

3. $6\frac{15}{22}$

3) It takes $3\frac{1}{2}$ spoons of chocolate syrup to make $3\frac{2}{3}$ gallons of chocolate milk. How many spoons of syrup would it take to make 7 gallons of chocolate milk?

4. $4\frac{35}{40}$

5. $4\frac{1}{6}$

4) It takes $3\frac{1}{4}$ gallons of water to fill up $3\frac{1}{3}$ containers. How much water would it take to fill 5 containers?

6. $6\frac{6}{8}$

7. $5\frac{50}{78}$

5) It takes $2\frac{1}{2}$ yards of thread to make $\frac{3}{5}$ of a sock. How many yards of thread will it take to make an entire sock?

8. $2\frac{0}{44}$

9. $4\frac{0}{12}$

6) A bag with $2\frac{1}{4}$ ounces of peanuts can make $\frac{2}{6}$ of a jar of peanut butter. It can make one full jar with how many ounces of peanuts?

10. $7\frac{0}{4}$

7) A container with $3\frac{4}{6}$ gallons of weed killer can spray $3\frac{1}{4}$ lawns. How many gallons would it take to spray 5 lawns?

8) A cookie recipe called for $2\frac{3}{4}$ cups of sugar for every $2\frac{3}{4}$ cups of flour. If you made a batch of cookies using 2 cup of flour, how many cups of sugar would you need?

9) A chef had to fill up $\frac{4}{6}$ of a container with mashed potatoes. He ended up using $2\frac{2}{3}$ pounds of mashed potatoes. How many pounds would he use if he had to fill up the entire container?

10) A machine made $3\frac{2}{4}$ pencils in $\frac{1}{2}$ of a minute. It made pencils at a rate of how many per minute?

Math   www.CommonCoreSheets.com

Using Units Rates with Fractions

Name:

Answers

Solve each problem. Answer as a mixed number (if possible).

$7\frac{0}{4}$	$2\frac{0}{44}$	$4\frac{35}{40}$	$6\frac{15}{22}$	$6\frac{6}{8}$
$5\frac{50}{78}$	$4\frac{12}{30}$	$4\frac{0}{12}$	$7\frac{4}{6}$	$4\frac{1}{6}$

1) A carpenter goes through $3\frac{5}{6}$ boxes of nails finishing $\frac{1}{2}$ of a roof. How much would he use finishing the entire roof?

2) A water faucet leaked $3\frac{2}{3}$ liters of water over the course of $2\frac{2}{4}$ hours. How many liters would it have leaked after 3 hours?

3) It takes $3\frac{1}{2}$ spoons of chocolate syrup to make $3\frac{2}{3}$ gallons of chocolate milk. How many spoons of syrup would it take to make 7 gallons of chocolate milk?

4) It takes $3\frac{1}{4}$ gallons of water to fill up $3\frac{1}{3}$ containers. How much water would it take to fill 5 containers?

5) It takes $2\frac{1}{2}$ yards of thread to make $\frac{3}{5}$ of a sock. How many yards of thread will it take to make an entire sock?

6) A bag with $2\frac{1}{4}$ ounces of peanuts can make $\frac{2}{6}$ of a jar of peanut butter. It can make one full jar with how many ounces of peanuts?

7) A container with $3\frac{4}{6}$ gallons of weed killer can spray $3\frac{1}{4}$ lawns. How many gallons would it take to spray 5 lawns?

8) A cookie recipe called for $2\frac{3}{4}$ cups of sugar for every $2\frac{3}{4}$ cups of flour. If you made a batch of cookies using 2 cup of flour, how many cups of sugar would you need?

9) A chef had to fill up $\frac{4}{6}$ of a container with mashed potatoes. He ended up using $2\frac{2}{3}$ pounds of mashed potatoes. How many pounds would he use if he had to fill up the entire container?

10) A machine made $3\frac{2}{4}$ pencils in $\frac{1}{2}$ of a minute. It made pencils at a rate of how many per minute?

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

Math

Modified
www.CommonCoreSheets.com

1-10 | 90 | 80 | 70 | 60 | 50 | 40 | 30 | 20 | 10 | 0