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

1) A container with $3\frac{2}{3}$ liters of weed killer can spray $\frac{1}{3}$ of a lawn. How many liters would it take to spray 1 entire lawn?

2) A tire shop had to fill $3\frac{1}{2}$ tires with air. It took a small air compressor $3\frac{1}{6}$ seconds to fill them up. How long would it take to fill 6 tires?

3) A cookie recipe called for $2\frac{1}{2}$ cups of sugar for every $3\frac{1}{4}$ cups of flour. If you made a batch of cookies using 7 cup of flour, how many cups of sugar would you need?

4) A printer cartridge with $3\frac{2}{3}$ milliliters of ink will print off $2\frac{1}{3}$ reams of paper. How many milliliters of ink will it take to print 6 reams?

5) A chef had to fill up $2\frac{1}{3}$ containers with mashed potatoes. He ended up using $2\frac{1}{6}$ pounds of mashed potatoes. How many pounds would he use if he had to fill up 8 containers?

6) It takes $2\frac{2}{3}$ gallons of water to fill up $3\frac{1}{3}$ containers. How much water would it take to fill 7 containers?

7) It takes $3\frac{1}{2}$ yards of thread to make $\frac{2}{6}$ of a sock. How many yards of thread will it take to make an entire sock?

8) A carpenter goes through $3\frac{1}{6}$ boxes of nails finishing $\frac{2}{4}$ of a roof. How much would he use finishing the entire roof?

9) It takes $2\frac{1}{6}$ spoons of chocolate syrup to make $\frac{4}{5}$ of a gallon of chocolate milk. How many spoons of syrup would it take to make 1 gallon of chocolate milk?

10) A bag with $2\frac{1}{2}$ quarts of peanuts can make $3\frac{1}{2}$ jars of peanut butter. How many quarts of peanuts would you need to make 8 jars?

Answers:
1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

Math

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1. $11\frac{0}{3}$

2. $5\frac{18}{42}$

3. $5\frac{10}{26}$

4. $9\frac{9}{21}$

5. $7\frac{18}{42}$

6. $5\frac{18}{30}$

7. $10\frac{2}{4}$

8. $6\frac{4}{12}$

9. $2\frac{17}{24}$

10. $5\frac{10}{14}$

Using Units Rates with Fractions

Name:

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

$10\frac{2}{4}$	$6\frac{4}{12}$	$5\frac{18}{30}$	$5\frac{18}{42}$	$2\frac{17}{24}$
$11\frac{0}{3}$	$5\frac{10}{26}$	$5\frac{10}{14}$	$9\frac{9}{21}$	$7\frac{18}{42}$

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Answers

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