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

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

**2)** A bucket of water was $\frac{1}{2}$ full, but it still had $3\frac{1}{2}$ gallons of water in it. How much water would be in one fully filled bucket?

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

**4)** A chef had to fill up $2\frac{1}{2}$ containers with mashed potatoes. He ended up using $3\frac{3}{6}$ pounds of mashed potatoes. How many pounds would he use if he had to fill up 9 containers?

**5)** It takes $3\frac{1}{6}$ spoons of chocolate syrup to make $\frac{1}{2}$ of a gallon of chocolate milk. How many spoons of syrup would it take to make 1 gallon of chocolate milk?

**6)** A water faucet leaked $3\frac{1}{2}$ liters of water over the course of $3\frac{1}{2}$ hours. How many liters would it have leaked after 3 hours?

**7)** A bag with $2\frac{2}{4}$ quarts of peanuts can make $3\frac{1}{2}$ jars of peanut butter. How many quarts of peanuts would you need to make 2 jars?

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

**9)** A printer cartridge with $3\frac{3}{5}$ milliliters of ink will print off $3\frac{3}{6}$ reams of paper. How many milliliters of ink will it take to print 6 reams?

**10)** A container with $2\frac{3}{4}$ gallons of weed killer can spray $2\frac{3}{4}$ lawns. How many gallons would it take to spray 4 lawns?

**Answers**

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



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

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**Answers**

1. $7\frac{0}{2}$
2. $7\frac{0}{2}$
3. $7\frac{0}{3}$
4. $12\frac{18}{30}$
5. $6\frac{2}{6}$
6. $3\frac{0}{14}$
7. $1\frac{12}{28}$
8. $6\frac{2}{3}$
9. $6\frac{18}{105}$
10. $4\frac{0}{44}$



| 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).**

| | | | | |
|---|---|---|---|---|
| $1\frac{12}{28}$ | $3\frac{0}{14}$ | $7\frac{0}{3}$ | $7\frac{0}{2}$ | $6\frac{18}{105}$ |
| $4\frac{0}{44}$ | $12\frac{18}{30}$ | $6\frac{2}{3}$ | $6\frac{2}{6}$ | $7\frac{0}{2}$ |

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