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

1) It takes $3\frac{1}{4}$ yards of thread to make $\frac{4}{5}$ of a sock. How many yards of thread will it take to make an entire sock?

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

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

4) A bag with $2\frac{1}{6}$ ounces of peanuts can make $\frac{1}{3}$ of a jar of peanut butter. It can make one full jar with how many ounces of peanuts?

5) A bike tire was $\frac{2}{4}$ full. It took a small air compressor $3\frac{1}{2}$ seconds to fill it up. How long would it have taken to fill an empty tire?

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

7) A container with $3\frac{2}{5}$ gallons of weed killer can spray $2\frac{2}{3}$ lawns. How many gallons would it take to spray 8 lawns?

8) A water faucet leaked $2\frac{1}{4}$ liters of water over the course of $2\frac{1}{2}$ hours. How many liters would it have leaked after 2 hours?

9) A machine made $3\frac{3}{6}$ pencils in $\frac{1}{2}$ of a minute. It made pencils at a rate of how many per minute?

10) It takes $3\frac{4}{6}$ spoons of chocolate syrup to make $2\frac{3}{6}$ gallons of chocolate milk. How many spoons of syrup would it take to make 2 gallons of chocolate milk?

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. $4\frac{1}{16}$
2. $7\frac{4}{12}$
3. $4\frac{4}{18}$
4. $6\frac{3}{6}$
5. $7\frac{0}{4}$
6. $2\frac{6}{63}$
7. $10\frac{8}{40}$
8. $1\frac{16}{20}$
9. $7\frac{0}{6}$
10. $2\frac{84}{90}$

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

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$2\frac{6}{63}$	$4\frac{4}{18}$	$1\frac{16}{20}$	$4\frac{1}{16}$	$7\frac{0}{6}$
$10\frac{8}{40}$	$7\frac{4}{12}$	$6\frac{3}{6}$	$7\frac{0}{4}$	$2\frac{84}{90}$

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