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

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

2) It takes $2\frac{2}{6}$ 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?

3) A tire shop had to fill $3\frac{2}{3}$ 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 6 tires?

4) A container with $3\frac{1}{5}$ gallons of weed killer can spray $2\frac{2}{6}$ lawns. How many gallons would it take to spray 8 lawns?

5) A machine made $2\frac{3}{6}$ pencils in $\frac{1}{4}$ of a minute. It made pencils at a rate of how many per minute?

6) A water faucet leaked $3\frac{4}{5}$ liters of water over the course of $2\frac{1}{5}$ hours. How many liters would it have leaked after 3 hours?

7) A bucket of water was $\frac{5}{6}$ full, but it still had $2\frac{1}{3}$ gallons of water in it. How much water would be in one fully filled bucket?

8) A chef had to fill up $2\frac{1}{2}$ containers with mashed potatoes. He ended up using $2\frac{2}{5}$ pounds of mashed potatoes. How many pounds would he use if he had to fill up 7 containers?

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

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

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. $5\frac{12}{24}$
2. $4\frac{4}{6}$
3. $5\frac{16}{22}$
4. $10\frac{68}{70}$
5. $10\frac{0}{6}$
6. $5\frac{10}{55}$
7. $2\frac{12}{15}$
8. $6\frac{18}{25}$
9. $3\frac{3}{20}$
10. $7\frac{0}{2}$

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).

$2\frac{12}{15}$	$10\frac{68}{70}$	$5\frac{10}{55}$	$4\frac{4}{6}$	$7\frac{0}{2}$
$10\frac{0}{6}$	$3\frac{3}{20}$	$5\frac{16}{22}$	$6\frac{18}{25}$	$5\frac{12}{24}$

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