Name:

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

1) It takes $3\frac{1}{2}$ spoons of chocolate syrup to make $3\frac{2}{5}$ gallons of chocolate milk. How many spoons of syrup would it take to make 7 gallons of chocolate milk?

1. _____

2. _____

2) A bag with $3\frac{1}{4}$ 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?

3. _____

4. _____

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

5. _____

6. _____

4) A cookie recipe called for $2\frac{3}{6}$ 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?

7. _____

8. _____

5) A printer cartridge with $3\frac{1}{3}$ milliliters of ink will print off $\frac{2}{3}$ of a box of paper. How many milliliters of ink will it take to print an entire box?

9. _____

10. _____

6) A bucket of water was $\frac{5}{6}$ full, but it still had $3\frac{4}{6}$ gallons of water in it. How much water would be in one fully filled bucket?

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

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

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

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

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Answers

1. $7\frac{7}{34}$

2. $9\frac{3}{4}$

3. $3\frac{22}{30}$

4. $5\frac{0}{6}$

5. $5\frac{0}{6}$

6. $4\frac{12}{30}$

7. $2\frac{13}{16}$

8. $15\frac{0}{4}$

9. $4\frac{0}{6}$

10. $3\frac{27}{96}$

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

$7\,^7\!/_{34}$ $15\,^0\!/_4$ $2\,^{13}\!/_{16}$ $5\,^0\!/_6$ $4\,^{12}\!/_{30}$

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