

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

- 1) It takes $2\frac{1}{3}$ spoons of chocolate syrup to make $\frac{3}{4}$ of a gallon of chocolate milk. How many spoons of syrup would it take to make 1 gallon of chocolate milk?
- 2) A bag with $3\frac{3}{4}$ ounces of peanuts can make $\frac{2}{5}$ of a jar of peanut butter. It can make one full jar with how many ounces of peanuts?
- 3) It takes $2\frac{2}{3}$ gallons of water to fill up $2\frac{5}{6}$ containers. How much water would it take to fill 9 containers?
- 4) It takes $3\frac{1}{2}$ kilometers of thread to make $2\frac{2}{3}$ boxes of shirts. How many kilometers of thread will it take to make 4 boxes?
- 5) A cookie recipe called for $2\frac{3}{4}$ cups of sugar for every $2\frac{2}{4}$ cups of flour. If you made a batch of cookies using 8 cup of flour, how many cups of sugar would you need?
- 6) A bike tire was $\frac{4}{6}$ full. It took a small air compressor $3\frac{1}{3}$ seconds to fill it up. How long would it have taken to fill an empty tire?
- 7) A machine made $2\frac{1}{2}$ pencils in $3\frac{2}{3}$ minutes. How many pencils would the machine have made after 9 minutes?
- 8) A water faucet leaked $3\frac{4}{6}$ liters of water every $\frac{1}{3}$ of an hour. It leaked at a rate of how many liters per hour?
- 9) A carpenter goes through $2\frac{4}{5}$ boxes of nails finishing $3\frac{3}{6}$ rooves. How much would he use finishing 8 rooves?
- 10) A printer cartridge with $2\frac{3}{6}$ milliliters of ink will print off $\frac{2}{4}$ of a box of paper. How many milliliters of ink will it take to print an entire box?

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1. $3\frac{1}{9}$
2. $9\frac{3}{8}$
3. $8\frac{24}{51}$
4. $5\frac{4}{16}$
5. $8\frac{32}{40}$
6. $5\frac{0}{12}$
7. $6\frac{3}{22}$
8. $11\frac{0}{6}$
9. $6\frac{42}{105}$
10. $5\frac{0}{12}$

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