



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

- 1) A cookie recipe called for  $2\frac{1}{2}$  cups of sugar for every  $\frac{2}{5}$  cup of flour. If you made a batch of cookies using 1 cup of flour, how many cups of sugar would you need?
- 2) A bucket of water was  $\frac{1}{6}$  full, but it still had  $2\frac{3}{4}$  gallons of water in it. How much water would be in one fully filled bucket?
- 3) A chef had to fill up  $\frac{4}{5}$  of a container with mashed potatoes. He ended up using  $2\frac{4}{6}$  pounds of mashed potatoes. How many pounds would he use if he had to fill up the entire container?
- 4) A bag with  $2\frac{1}{6}$  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?
- 5) A carpenter goes through  $2\frac{3}{5}$  boxes of nails finishing  $3\frac{1}{2}$  rooves. How much would he use finishing 8 rooves?
- 6) A water faucet leaked  $3\frac{2}{4}$  liters of water every  $\frac{1}{6}$  of an hour. It leaked at a rate of how many liters per hour?
- 7) A machine made  $2\frac{2}{6}$  pencils in  $3\frac{3}{4}$  minutes. How many pencils would the machine have made after 9 minutes?
- 8) It takes  $2\frac{1}{2}$  kilometers of thread to make  $3\frac{1}{4}$  boxes of shirts. How many kilometers of thread will it take to make 3 boxes?
- 9) A tire shop had to fill  $3\frac{1}{2}$  tires with air. It took a small air compressor  $3\frac{3}{5}$  seconds to fill them up. How long would it take to fill 3 tires?
- 10) It takes  $3\frac{1}{2}$  spoons of chocolate syrup to make  $3\frac{3}{5}$  gallons of chocolate milk. How many spoons of syrup would it take to make 6 gallons of chocolate milk?

**Answers**

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_