

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

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

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1. $6\frac{2}{4}$
2. $3\frac{23}{24}$
3. $7\frac{42}{84}$
4. $9\frac{72}{76}$
5. $5\frac{15}{21}$
6. $14\frac{0}{5}$
7. $5\frac{30}{85}$
8. $2\frac{12}{15}$
9. $9\frac{0}{10}$
10. $2\frac{8}{84}$

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

$5^{30}/_{85}$

$9^{72}/_{76}$

$3^{23}/_{24}$

$9^0/_{10}$

$7^{42}/_{84}$

$2^8/_{84}$

$5^{15}/_{21}$

$6^2/_{4}$

$14^0/_{5}$

$2^{12}/_{15}$

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