



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

Answers

- 1) A water faucet leaked  $2\frac{3}{5}$  liters of water over the course of  $2\frac{2}{5}$  hours. How many liters would it have leaked after 9 hours?
- 2) A bike tire was  $\frac{3}{5}$  full. It took a small air compressor  $2\frac{1}{6}$  seconds to fill it up. How long would it have taken to fill an empty tire?
- 3) A bag with  $2\frac{1}{3}$  quarts of peanuts can make  $3\frac{1}{5}$  jars of peanut butter. How many quarts of peanuts would you need to make 3 jars?
- 4) A carpenter goes through  $2\frac{2}{6}$  boxes of nails finishing  $2\frac{1}{2}$  rooves. How much would he use finishing 4 rooves?
- 5) A container with  $2\frac{1}{3}$  gallons of weed killer can spray  $3\frac{1}{2}$  lawns. How many gallons would it take to spray 3 lawns?
- 6) A cookie recipe called for  $2\frac{1}{4}$  cups of sugar for every  $2\frac{1}{3}$  cups of flour. If you made a batch of cookies using 5 cup of flour, how many cups of sugar would you need?
- 7) A machine made  $3\frac{1}{4}$  pencils in  $\frac{4}{5}$  of a minute. It made pencils at a rate of how many per minute?
- 8) It takes  $2\frac{5}{6}$  gallons of water to fill up  $3\frac{2}{6}$  containers. How much water would it take to fill 5 containers?
- 9) It takes  $3\frac{3}{4}$  spoons of chocolate syrup to make  $\frac{2}{5}$  of a gallon of chocolate milk. How many spoons of syrup would it take to make 1 gallon of chocolate milk?
- 10) It takes  $2\frac{1}{2}$  yards of thread to make  $\frac{2}{6}$  of a sock. How many yards of thread will it take to make an entire sock?

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**Answers**

1.  $9\frac{45}{60}$
2.  $3\frac{11}{18}$
3.  $2\frac{9}{48}$
4.  $3\frac{22}{30}$
5.  $2\frac{0}{21}$
6.  $4\frac{23}{28}$
7.  $4\frac{1}{16}$
8.  $4\frac{30}{120}$
9.  $9\frac{3}{8}$
10.  $7\frac{2}{4}$



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