

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

- 1) A machine made  $2\frac{4}{6}$  pencils in  $3\frac{2}{5}$  minutes. How many pencils would the machine have made after 2 minutes?
- 2) It takes  $2\frac{1}{2}$  spoons of chocolate syrup to make  $3\frac{1}{3}$  gallons of chocolate milk. How many spoons of syrup would it take to make 5 gallons of chocolate milk?
- 3) A cookie recipe called for  $3\frac{2}{4}$  cups of sugar for every  $\frac{2}{3}$  cup of flour. If you made a batch of cookies using 1 cup of flour, how many cups of sugar would you need?
- 4) It takes  $3\frac{1}{3}$  yards of thread to make  $\frac{1}{3}$  of a sock. How many yards of thread will it take to make an entire sock?
- 5) It takes  $2\frac{1}{2}$  gallons of water to fill up  $3\frac{1}{4}$  containers. How much water would it take to fill 9 containers?
- 6) A printer cartridge with  $2\frac{1}{6}$  milliliters of ink will print off  $2\frac{1}{2}$  reams of paper. How many milliliters of ink will it take to print 7 reams?
- 7) A carpenter goes through  $2\frac{2}{3}$  boxes of nails finishing  $\frac{3}{4}$  of a roof. How much would he use finishing the entire roof?
- 8) A chef had to fill up  $\frac{3}{5}$  of a container with mashed potatoes. He ended up using  $2\frac{1}{2}$  pounds of mashed potatoes. How many pounds would he use if he had to fill up the entire container?
- 9) A bag with  $3\frac{4}{5}$  quarts of peanuts can make  $2\frac{3}{4}$  jars of peanut butter. How many quarts of peanuts would you need to make 7 jars?
- 10) A container with  $2\frac{1}{2}$  gallons of weed killer can spray  $3\frac{1}{6}$  lawns. How many gallons would it take to spray 6 lawns?

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**Answers**

1.  $1\frac{58}{102}$
2.  $3\frac{15}{20}$
3.  $5\frac{2}{8}$
4.  $10\frac{0}{3}$
5.  $6\frac{24}{26}$
6.  $6\frac{2}{30}$
7.  $3\frac{5}{9}$
8.  $4\frac{1}{6}$
9.  $9\frac{37}{55}$
10.  $4\frac{28}{38}$

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$4^{28}/_{38}$

$4^1/_6$

$5^2/_8$

$6^2/_{30}$

$1^{58}/_{102}$

$9^{37}/_{55}$

$3^5/_9$

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