#### Solve each problem. Write the answer as a mixed number fraction (if possible).

- A new washing machine used  $2\frac{1}{3}$  gallons of water per full load to clean clothes. If George washed  $2\frac{2}{5}$  loads of clothes, how many gallons of water would be used?

Answers

- Debby had 1 full cement blocks and one that was  $\frac{2}{3}$  the normal size. If each full block weighed  $1\frac{1}{3}$  pounds, what is the weight of the blocks Debby has?
- Carol needed a piece of string to be exactly  $1\frac{1}{2}$  feet long. If the string she has is  $3\frac{4}{5}$  times as long as it should be, how long is the string?
- A bottle of sugar syrup soda had  $2\frac{2}{5}$  grams of sugar in it. If Mike drank 3 full bottles and  $\frac{3}{4}$  of a bottle, how many grams of sugar did he drink?
- Jerry had a lump of silly putty that was  $2\frac{4}{5}$  inches long. If he stretched it out to  $3\frac{1}{5}$  times its current length how long would it be?
- A single box of thumb tacks weighed  $1\frac{4}{5}$  ounces. If a teacher had  $1\frac{4}{5}$  boxes, how much would their combined weight be?

- A bottle of home-made cleaning solution took  $3\frac{1}{2}$  milliliters of lemon juice. If Janet wanted to make  $1\frac{3}{4}$  bottles, how many milliliters of lemon juice would she need?

- A bag of strawberry candy takes  $1\frac{1}{2}$  ounces of strawberries to make. If you have  $2\frac{2}{4}$  bags, how many ounces of strawberries did it take to make them?

A batch of chicken required  $2\frac{1}{5}$  cups of flour. If a fast food restaurant was making  $2\frac{1}{3}$ batches, how much flour would they need?

A package of paper weighs  $3\frac{1}{3}$  ounces. If Billy put  $1\frac{1}{2}$  packages of paper on a scale, how much would they weigh?

- A baby frog weighed  $1\frac{2}{3}$  ounces. After a month it was  $3\frac{2}{3}$  times as heavy, how much did
- the frog weigh after a month?
- An old road was  $3\frac{4}{5}$  miles long. After a renovation it was  $3\frac{3}{4}$  times as long. How long was the road after the renovation?



**Answer Key** 

# Solve each problem. Write the answer as a mixed number fraction (if possible).

- 1) A new washing machine used  $2\frac{1}{3}$  gallons of water per full load to clean clothes. If George washed  $2\frac{1}{5}$  loads of clothes, how many gallons of water would be used?
- 2) Debby had 1 full cement blocks and one that was  $\frac{2}{3}$  the normal size. If each full block weighed  $\frac{1}{3}$  pounds, what is the weight of the blocks Debby has?
- 3) Carol needed a piece of string to be exactly  $1\frac{1}{2}$  feet long. If the string she has is  $3\frac{4}{5}$  times as long as it should be, how long is the string?
- 4) A bottle of sugar syrup soda had  $2\frac{2}{5}$  grams of sugar in it. If Mike drank 3 full bottles and  $\frac{3}{4}$  of a bottle, how many grams of sugar did he drink?
- 5) Jerry had a lump of silly putty that was  $2\frac{4}{5}$  inches long. If he stretched it out to  $3\frac{1}{5}$  times its current length how long would it be?
- 6) A single box of thumb tacks weighed  $1\frac{4}{5}$  ounces. If a teacher had  $1\frac{4}{5}$  boxes, how much would their combined weight be?
- 7) A bottle of home-made cleaning solution took  $3\frac{1}{2}$  milliliters of lemon juice. If Janet wanted to make  $1\frac{3}{4}$  bottles, how many milliliters of lemon juice would she need?
- 8) A bag of strawberry candy takes  $1\frac{1}{2}$  ounces of strawberries to make. If you have  $2\frac{2}{4}$  bags, how many ounces of strawberries did it take to make them?
- 9) A batch of chicken required  $2\frac{1}{5}$  cups of flour. If a fast food restaurant was making  $2\frac{1}{3}$  batches, how much flour would they need?
- 10) A package of paper weighs  $3\frac{1}{3}$  ounces. If Billy put  $1\frac{1}{2}$  packages of paper on a scale, how much would they weigh?
- 11) A baby frog weighed  $1\frac{2}{3}$  ounces. After a month it was  $3\frac{2}{3}$  times as heavy, how much did the frog weigh after a month?
- 12) An old road was  $3\frac{4}{5}$  miles long. After a renovation it was  $3\frac{3}{4}$  times as long. How long was the road after the renovation?

# Answers

- 5<sup>9</sup>/<sub>15</sub>
- $\frac{2^{2}}{9}$
- $_{3.}$   $5\frac{1}{10}$
- 4.  $9^{0}/_{20}$
- $_{5.}$   $8^{24}/_{25}$
- $_{6.}$   $3^{6}/_{25}$
- 7.  $6\frac{1}{8}$
- $\frac{3\frac{6}{8}}{8}$
- 9.  $5\frac{2}{15}$
- $5\frac{0}{6}$
- 11. **6**<sup>1</sup>/<sub>9</sub>
- 12.  $14^{5}/_{20}$

### Solve each problem. Write the answer as a mixed number fraction (if possible).

 $5\frac{7}{10}$   $8\frac{24}{25}$   $6\frac{1}{8}$   $5\frac{2}{15}$   $3\frac{6}{25}$   $5\frac{9}{15}$   $5\frac{9}{20}$   $2\frac{2}{9}$ 

1)

2. \_

2)

o. \_\_\_\_\_

**Answers** 

3)

5. \_\_\_\_\_

4)

7. \_\_\_\_\_

5)

). \_\_\_\_\_

**6**)

0. \_\_\_\_\_

**7**)

8)

9)

**10**)

Math