



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

Answers

- 1) Edward had a lump of play doh that was  $2\frac{1}{2}$  inches long. If he stretched it out to 3 times its current length how long would it be?
- 2) Maria had 4 full cement blocks and one that was  $\frac{5}{9}$  the normal size. If each full block weighed  $3\frac{8}{9}$  pounds, what is the weight of the blocks Maria has?
- 3) Robin bought a bunch of packages of gum at the gas station and ate  $\frac{1}{7}$  of a package each week. How much would she have eaten after 4 weeks?
- 4) Jerry filled a pitcher up  $\frac{1}{3}$  full then poured  $\frac{5}{7}$  of the pitcher into a glass. What fraction of the total pitcher did he pour into the glass?
- 5) A bag of pistachios is  $2\frac{1}{4}$  ounces. If you have  $\frac{4}{5}$  of a bag, how many ounces does it weigh?
- 6) A glass of lemonade took  $2\frac{1}{2}$  scoops of sugar to make. If you wanted to make 3 glasses, how many scoops of sugar would you need?
- 7) A bottle of sugar syrup soda had  $4\frac{1}{3}$  grams of sugar in it. If Tom drank 3 full bottles and  $\frac{7}{9}$  of a bottle, how many grams of sugar did he drink?
- 8) A chef cooked 4 kilograms of mashed potatoes for a dinner party. If the guests only ate  $\frac{1}{6}$  of the amount he cooked, how much did they eat?
- 9) On Monday Billy picked up  $\frac{1}{2}$  of a pound of cans to recycle. On Tuesday he picked up  $\frac{6}{7}$  that amount. How many pounds did Billy pick up on Tuesday?
- 10) An old wooden post was  $3\frac{3}{4}$  feet long. If you were to cut off  $\frac{2}{6}$  of it, how much would you have cut off?
- 11) An air freshener used  $3\frac{1}{8}$  milliliters of perfume. If Amy wanted to make 2 air fresheners, how many milliliters of perfume would she use?
- 12) Gwen can read  $2\frac{7}{9}$  pages of a book in a minute. If she read for  $4\frac{5}{6}$  minutes, how much would she have read?

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12. \_\_\_\_\_



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**Answers**

- 1) Edward had a lump of play doh that was  $2\frac{1}{2}$  inches long. If he stretched it out to 3 times its current length how long would it be?
- 2) Maria had 4 full cement blocks and one that was  $\frac{5}{9}$  the normal size. If each full block weighed  $3\frac{8}{9}$  pounds, what is the weight of the blocks Maria has?
- 3) Robin bought a bunch of packages of gum at the gas station and ate  $\frac{1}{7}$  of a package each week. How much would she have eaten after 4 weeks?
- 4) Jerry filled a pitcher up  $\frac{1}{3}$  full then poured  $\frac{5}{7}$  of the pitcher into a glass. What fraction of the total pitcher did he pour into the glass?
- 5) A bag of pistachios is  $2\frac{1}{4}$  ounces. If you have  $\frac{4}{5}$  of a bag, how many ounces does it weigh?
- 6) A glass of lemonade took  $2\frac{1}{2}$  scoops of sugar to make. If you wanted to make 3 glasses, how many scoops of sugar would you need?
- 7) A bottle of sugar syrup soda had  $4\frac{1}{3}$  grams of sugar in it. If Tom drank 3 full bottles and  $\frac{7}{9}$  of a bottle, how many grams of sugar did he drink?
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- 10) An old wooden post was  $3\frac{3}{4}$  feet long. If you were to cut off  $\frac{2}{6}$  of it, how much would you have cut off?
- 11) An air freshener used  $3\frac{1}{8}$  milliliters of perfume. If Amy wanted to make 2 air fresheners, how many milliliters of perfume would she use?
- 12) Gwen can read  $2\frac{7}{9}$  pages of a book in a minute. If she read for  $4\frac{5}{6}$  minutes, how much would she have read?

1.  $7\frac{1}{2}$
2.  $17\frac{58}{81}$
3.  $0\frac{4}{7}$
4.  $0\frac{5}{21}$
5.  $1\frac{16}{20}$
6.  $7\frac{1}{2}$
7.  $16\frac{10}{27}$
8.  $0\frac{4}{6}$
9.  $0\frac{6}{14}$
10.  $1\frac{6}{24}$
11.  $6\frac{2}{8}$
12.  $13\frac{23}{54}$



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

Answers

- 1) Olivia needed  $4 \frac{1}{6}$  feet of thread to finish a pillow she was making. If she has 4 times as much thread as she needs, what is the length of the thread she has?
- 2) A single box of thumb tacks weighed  $4 \frac{1}{2}$  ounces. If a teacher had  $3 \frac{2}{3}$  boxes, how much would their combined weight be?
- 3) On Halloween 4 friends each received  $\frac{2}{3}$  of a pound of candy. How much candy did they receive total?
- 4) Over the summer Sam grew  $\frac{3}{4}$  of an inch taller. Haley also got taller, but she only grew  $\frac{2}{6}$  of the amount Sam grew. What fraction of an inch did Haley grow?
- 5) Maria had a piece of thread exactly  $4 \frac{1}{2}$  yards long. After doing some sewing, she had  $\frac{1}{4}$  the original amount left. How much does she have left?
- 6) A taco recipe called for  $3 \frac{2}{3}$  cups of meat per taco. If Amy wanted to make 2 tacos, how much meat would she need?
- 7) George had a lump of silly putty that was  $4 \frac{1}{9}$  inches long. If he stretched it out to  $4 \frac{1}{3}$  times its current length how long would it be?
- 8) It takes  $\frac{1}{2}$  of a box of nails to build a bird house. If you wanted to build 3 bird houses, how much would you need?
- 9) Mike filled a pitcher up  $\frac{5}{7}$  full then poured  $\frac{6}{9}$  of the pitcher into a glass. What fraction of the total pitcher did he pour into the glass?
- 10) A box of markers weighed  $2 \frac{5}{6}$  ounces. If a teacher took out  $\frac{2}{3}$  of the markers, what is the weight of the markers she took out?
- 11) A soda shop owner told his employee to add 2 full cups and  $\frac{5}{8}$  of a cup of syrup to each gallon of soda. If there were 2 gallons of soda, how much syrup would be needed?
- 12) Lana can read  $4 \frac{1}{3}$  pages of a book in a minute. If she read for  $3 \frac{1}{7}$  minutes, how much would she have read?

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9. \_\_\_\_\_
10. \_\_\_\_\_
11. \_\_\_\_\_
12. \_\_\_\_\_



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

Answers

- 1) Olivia needed  $4 \frac{1}{6}$  feet of thread to finish a pillow she was making. If she has 4 times as much thread as she needs, what is the length of the thread she has?
- 2) A single box of thumb tacks weighed  $4 \frac{1}{2}$  ounces. If a teacher had  $3 \frac{2}{3}$  boxes, how much would their combined weight be?
- 3) On Halloween 4 friends each received  $\frac{2}{3}$  of a pound of candy. How much candy did they receive total?
- 4) Over the summer Sam grew  $\frac{3}{4}$  of an inch taller. Haley also got taller, but she only grew  $\frac{2}{6}$  of the amount Sam grew. What fraction of an inch did Haley grow?
- 5) Maria had a piece of thread exactly  $4 \frac{1}{2}$  yards long. After doing some sewing, she had  $\frac{1}{4}$  the original amount left. How much does she have left?
- 6) A taco recipe called for  $3 \frac{2}{3}$  cups of meat per taco. If Amy wanted to make 2 tacos, how much meat would she need?
- 7) George had a lump of silly putty that was  $4 \frac{1}{9}$  inches long. If he stretched it out to  $4 \frac{1}{3}$  times its current length how long would it be?
- 8) It takes  $\frac{1}{2}$  of a box of nails to build a bird house. If you wanted to build 3 bird houses, how much would you need?
- 9) Mike filled a pitcher up  $\frac{5}{7}$  full then poured  $\frac{6}{9}$  of the pitcher into a glass. What fraction of the total pitcher did he pour into the glass?
- 10) A box of markers weighed  $2 \frac{5}{6}$  ounces. If a teacher took out  $\frac{2}{3}$  of the markers, what is the weight of the markers she took out?
- 11) A soda shop owner told his employee to add 2 full cups and  $\frac{5}{8}$  of a cup of syrup to each gallon of soda. If there were 2 gallons of soda, how much syrup would be needed?
- 12) Lana can read  $4 \frac{1}{3}$  pages of a book in a minute. If she read for  $3 \frac{1}{7}$  minutes, how much would she have read?

1.  $16 \frac{4}{6}$
2.  $16 \frac{3}{6}$
3.  $2 \frac{2}{3}$
4.  $0 \frac{6}{24}$
5.  $1 \frac{1}{8}$
6.  $7 \frac{1}{3}$
7.  $17 \frac{22}{27}$
8.  $1 \frac{1}{2}$
9.  $0 \frac{30}{63}$
10.  $1 \frac{16}{18}$
11.  $5 \frac{2}{8}$
12.  $13 \frac{13}{21}$



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

Answers

- 1) An air freshener used  $4\frac{1}{2}$  milliliters of perfume. If Tiffany wanted to make 2 air fresheners, how many milliliters of perfume would she use? 1. \_\_\_\_\_
- 2) A single box of thumb tacks weighed  $3\frac{3}{9}$  ounces. If a teacher had  $2\frac{4}{9}$  boxes, how much would their combined weight be? 2. \_\_\_\_\_
- 3) Jerry ran 2 miles on his first day of training. The next day he ran  $\frac{1}{2}$  that distance. How far did he run the second day? 3. \_\_\_\_\_
- 4) For Halloween  $\frac{3}{7}$  of the candy sold was chocolate. Of the chocolate candy sold  $\frac{1}{3}$  was made by Nestle. What fraction of all the candy sold was chocolate and made by Nestle? 4. \_\_\_\_\_
- 5) A full truck weighed  $2\frac{4}{7}$  tons. If the truck was only  $\frac{2}{3}$  full, how much would it weigh? 5. \_\_\_\_\_
- 6) Nancy needed  $2\frac{2}{3}$  feet of thread to finish a pillow she was making. If she has 2 times as much thread as she needs, what is the length of the thread she has? 6. \_\_\_\_\_
- 7) A baby frog weighed  $3\frac{4}{7}$  ounces. After a month it was  $4\frac{3}{7}$  times as heavy, how much did the frog weigh after a month? 7. \_\_\_\_\_
- 8) Roger stacked 4 pieces of wood on top of one another. If each piece was  $\frac{2}{5}$  of a foot tall, how tall was his pile? 8. \_\_\_\_\_
- 9) Over the summer Oliver grew  $\frac{8}{9}$  of an inch taller. Paige also got taller, but she only grew  $\frac{7}{9}$  of the amount Oliver grew. What fraction of an inch did Paige grow? 9. \_\_\_\_\_
- 10) A box of markers weighed  $4\frac{5}{8}$  ounces. If a teacher took out  $\frac{1}{2}$  of the markers, what is the weight of the markers she took out? 10. \_\_\_\_\_
- 11) Luke had a lump of play doh that was  $2\frac{1}{3}$  inches long. If he stretched it out to 3 times its current length how long would it be? 11. \_\_\_\_\_
- 12) A doctor told his patient to drink 4 full cups and  $\frac{5}{9}$  of a cup of medicine over a week. If each full cup was  $3\frac{1}{2}$  pints, how much is he going to drink over the week? 12. \_\_\_\_\_



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

Answers

- 1) An air freshener used  $4\frac{1}{2}$  milliliters of perfume. If Tiffany wanted to make 2 air fresheners, how many milliliters of perfume would she use? 1. 9
- 2) A single box of thumb tacks weighed  $3\frac{3}{9}$  ounces. If a teacher had  $2\frac{4}{9}$  boxes, how much would their combined weight be? 2.  $8\frac{12}{81}$
- 3) Jerry ran 2 miles on his first day of training. The next day he ran  $\frac{1}{2}$  that distance. How far did he run the second day? 3. 1
- 4) For Halloween  $\frac{3}{7}$  of the candy sold was chocolate. Of the chocolate candy sold  $\frac{1}{3}$  was made by Nestle. What fraction of all the candy sold was chocolate and made by Nestle? 4.  $0\frac{3}{21}$
- 5) A full truck weighed  $2\frac{4}{7}$  tons. If the truck was only  $\frac{2}{3}$  full, how much would it weigh? 5.  $1\frac{15}{21}$
- 6) Nancy needed  $2\frac{2}{3}$  feet of thread to finish a pillow she was making. If she has 2 times as much thread as she needs, what is the length of the thread she has? 6.  $5\frac{1}{3}$
- 7) A baby frog weighed  $3\frac{4}{7}$  ounces. After a month it was  $4\frac{3}{7}$  times as heavy, how much did the frog weigh after a month? 7.  $15\frac{40}{49}$
- 8) Roger stacked 4 pieces of wood on top of one another. If each piece was  $\frac{2}{5}$  of a foot tall, how tall was his pile? 8.  $1\frac{3}{5}$
- 9) Over the summer Oliver grew  $\frac{8}{9}$  of an inch taller. Paige also got taller, but she only grew  $\frac{7}{9}$  of the amount Oliver grew. What fraction of an inch did Paige grow? 9.  $0\frac{56}{81}$
- 10) A box of markers weighed  $4\frac{5}{8}$  ounces. If a teacher took out  $\frac{1}{2}$  of the markers, what is the weight of the markers she took out? 10.  $2\frac{5}{16}$
- 11) Luke had a lump of play doh that was  $2\frac{1}{3}$  inches long. If he stretched it out to 3 times its current length how long would it be? 11. 7
- 12) A doctor told his patient to drink 4 full cups and  $\frac{5}{9}$  of a cup of medicine over a week. If each full cup was  $3\frac{1}{2}$  pints, how much is he going to drink over the week? 12.  $15\frac{17}{18}$



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

Answers

- |   |                  |
|---|------------------|
| <p>1) An air freshener used <math>2\frac{1}{2}</math> milliliters of perfume. If Lana wanted to make 3 air fresheners, how many milliliters of perfume would she use?</p>   | <p>1. _____</p>  |
| <p>2) Frank had a lump of silly putty that was <math>2\frac{1}{6}</math> inches long. If he stretched it out to <math>3\frac{1}{5}</math> times its current length how long would it be?</p>                                  | <p>2. _____</p>  |
| <p>3) A chef cooked 2 kilograms of mashed potatoes for a dinner party. If the guests only ate <math>\frac{1}{2}</math> of the amount he cooked, how much did they eat?</p>  | <p>3. _____</p>  |
| <p>4) In a classroom <math>\frac{3}{4}</math> of the students are boys. Of the boys <math>\frac{4}{6}</math> play sports. What fraction of students in the class are boys who play sports?</p>                                | <p>4. _____</p>  |
| <p>5) A bag of pistachios is <math>2\frac{1}{5}</math> ounces. If you have <math>\frac{2}{5}</math> of a bag, how many ounces does it weigh?</p>  | <p>5. _____</p>  |
| <p>6) Each day a carwash used <math>3\frac{4}{9}</math> gallons of soap. After 4 days, how much soap would they have used?</p>  | <p>6. _____</p>  |
| <p>7) A bottle of home-made cleaning solution took <math>2\frac{3}{4}</math> milliliters of lemon juice. If Vanessa wanted to make <math>2\frac{6}{9}</math> bottles, how many milliliters of lemon juice would she need?</p> | <p>7. _____</p>  |
| <p>8) Billy lived 4 miles from his school. If he rode his bike <math>\frac{3}{5}</math> of the distance and then walked the rest, how far did he ride his bike?</p>   | <p>8. _____</p>  |
| <p>9) Cody filled a pitcher up <math>\frac{2}{5}</math> full then poured <math>\frac{1}{6}</math> of the pitcher into a glass. What fraction of the total pitcher did he pour into the glass?</p>                             | <p>9. _____</p>  |
| <p>10) A full container of industrial cleaning solution had <math>3\frac{1}{2}</math> liters of liquid. If the container was only <math>\frac{1}{2}</math> full, how many liters are in there?</p>                            | <p>10. _____</p> |
| <p>11) A box of folders weighs <math>2\frac{6}{9}</math> pounds. If you have 4 boxes, how much would they weigh?</p>  | <p>11. _____</p> |
| <p>12) Amy had 3 full cement blocks and one that was <math>\frac{6}{8}</math> the normal size. If each full block weighed <math>4\frac{4}{8}</math> pounds, what is the weight of the blocks Amy has?</p>                     | <p>12. _____</p> |



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

Answers

- 1) An air freshener used  $2 \frac{1}{2}$  milliliters of perfume. If Lana wanted to make 3 air fresheners, how many milliliters of perfume would she use?
- 2) Frank had a lump of silly putty that was  $2 \frac{1}{6}$  inches long. If he stretched it out to  $3 \frac{1}{5}$  times its current length how long would it be?
- 3) A chef cooked 2 kilograms of mashed potatoes for a dinner party. If the guests only ate  $\frac{1}{2}$  of the amount he cooked, how much did they eat?
- 4) In a classroom  $\frac{3}{4}$  of the students are boys. Of the boys  $\frac{4}{6}$  play sports. What fraction of students in the class are boys who play sports?
- 5) A bag of pistachios is  $2 \frac{1}{5}$  ounces. If you have  $\frac{2}{5}$  of a bag, how many ounces does it weigh?
- 6) Each day a carwash used  $3 \frac{4}{9}$  gallons of soap. After 4 days, how much soap would they have used?
- 7) A bottle of home-made cleaning solution took  $2 \frac{3}{4}$  milliliters of lemon juice. If Vanessa wanted to make  $2 \frac{6}{9}$  bottles, how many milliliters of lemon juice would she need?
- 8) Billy lived 4 miles from his school. If he rode his bike  $\frac{3}{5}$  of the distance and then walked the rest, how far did he ride his bike?
- 9) Cody filled a pitcher up  $\frac{2}{5}$  full then poured  $\frac{1}{6}$  of the pitcher into a glass. What fraction of the total pitcher did he pour into the glass?
- 10) A full container of industrial cleaning solution had  $3 \frac{1}{2}$  liters of liquid. If the container was only  $\frac{1}{2}$  full, how many liters are in there?
- 11) A box of folders weighs  $2 \frac{6}{9}$  pounds. If you have 4 boxes, how much would they weigh?
- 12) Amy had 3 full cement blocks and one that was  $\frac{6}{8}$  the normal size. If each full block weighed  $4 \frac{4}{8}$  pounds, what is the weight of the blocks Amy has?

1.  $7 \frac{1}{2}$
2.  $6 \frac{28}{30}$
3.  $1$
4.  $0 \frac{12}{24}$
5.  $0 \frac{22}{25}$
6.  $13 \frac{7}{9}$
7.  $7 \frac{12}{36}$
8.  $2 \frac{2}{5}$
9.  $0 \frac{2}{30}$
10.  $1 \frac{3}{4}$
11.  $10 \frac{6}{9}$
12.  $16 \frac{56}{64}$





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

Answers

- 1) Lana can type  $2 \frac{1}{9}$  sentences per minute. If she typed for 3 minutes, how much would she have typed?
- 2) A baby frog weighed  $2 \frac{3}{7}$  ounces. After a month it was  $4 \frac{4}{7}$  times as heavy, how much did the frog weigh after a month?
- 3) On Halloween 4 friends each received  $\frac{2}{4}$  of a pound of candy. How much candy did they receive total?
- 4) At the malt shop a large chocolate shake takes  $\frac{3}{7}$  of a pint of milk. If the medium shake takes  $\frac{1}{2}$  the amount of a large, how much does the medium shake take?
- 5) A country road was  $3 \frac{1}{5}$  miles long. If  $\frac{5}{6}$  of it was paved with cement how long was the paved part?
- 6) A bowl of cereal had  $3 \frac{6}{7}$  grams of sugar in it. If Jerry ate 4 bowls a week, how many grams of sugar would he have eaten?
- 7) Vanessa needed a piece of string to be exactly  $2 \frac{5}{6}$  feet long. If the string she has is  $3 \frac{3}{7}$  times as long as it should be, how long is the string?
- 8) George stacked 3 pieces of wood on top of one another. If each piece was  $\frac{1}{2}$  of a foot tall, how tall was his pile?
- 9) At the animal shelter  $\frac{6}{9}$  of the animals are cats. Of the cats  $\frac{2}{3}$  are male. What fraction of the animals at the shelter are male cats?
- 10) A full truck weighed  $3 \frac{1}{4}$  tons. If the truck was only  $\frac{4}{9}$  full, how much would it weigh?
- 11) A glass of lemonade took  $3 \frac{3}{4}$  scoops of sugar to make. If you wanted to make 4 glasses, how many scoops of sugar would you need?
- 12) A single box of thumb tacks weighed  $4 \frac{4}{5}$  ounces. If a teacher had  $4 \frac{4}{9}$  boxes, how much would their combined weight be?

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



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

Answers

- 1) Lana can type  $2 \frac{1}{9}$  sentences per minute. If she typed for 3 minutes, how much would she have typed?
- 2) A baby frog weighed  $2 \frac{3}{7}$  ounces. After a month it was  $4 \frac{4}{7}$  times as heavy, how much did the frog weigh after a month?
- 3) On Halloween 4 friends each received  $\frac{2}{4}$  of a pound of candy. How much candy did they receive total?
- 4) At the malt shop a large chocolate shake takes  $\frac{3}{7}$  of a pint of milk. If the medium shake takes  $\frac{1}{2}$  the amount of a large, how much does the medium shake take?
- 5) A country road was  $3 \frac{1}{5}$  miles long. If  $\frac{5}{6}$  of it was paved with cement how long was the paved part?
- 6) A bowl of cereal had  $3 \frac{6}{7}$  grams of sugar in it. If Jerry ate 4 bowls a week, how many grams of sugar would he have eaten?
- 7) Vanessa needed a piece of string to be exactly  $2 \frac{5}{6}$  feet long. If the string she has is  $3 \frac{3}{7}$  times as long as it should be, how long is the string?
- 8) George stacked 3 pieces of wood on top of one another. If each piece was  $\frac{1}{2}$  of a foot tall, how tall was his pile?
- 9) At the animal shelter  $\frac{6}{9}$  of the animals are cats. Of the cats  $\frac{2}{3}$  are male. What fraction of the animals at the shelter are male cats?
- 10) A full truck weighed  $3 \frac{1}{4}$  tons. If the truck was only  $\frac{4}{9}$  full, how much would it weigh?
- 11) A glass of lemonade took  $3 \frac{3}{4}$  scoops of sugar to make. If you wanted to make 4 glasses, how many scoops of sugar would you need?
- 12) A single box of thumb tacks weighed  $4 \frac{4}{5}$  ounces. If a teacher had  $4 \frac{4}{9}$  boxes, how much would their combined weight be?

1.  $6 \frac{3}{9}$
2.  $11 \frac{5}{49}$
3.  $2$
4.  $0 \frac{3}{14}$
5.  $2 \frac{20}{30}$
6.  $15 \frac{3}{7}$
7.  $9 \frac{30}{42}$
8.  $1 \frac{1}{2}$
9.  $0 \frac{12}{27}$
10.  $1 \frac{16}{36}$
11.  $15$
12.  $21 \frac{15}{45}$



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

Answers

- 1) Janet needed  $3\frac{1}{2}$  feet of thread to finish a pillow she was making. If she has 2 times as much thread as she needs, what is the length of the thread she has? 1. \_\_\_\_\_
- 2) A batch of chicken required  $2\frac{1}{9}$  cups of flour. If a fast food restaurant was making  $3\frac{7}{8}$  batches, how much flour would they need? 2. \_\_\_\_\_
- 3) A chef cooked 4 kilograms of mashed potatoes for a dinner party. If the guests only ate  $\frac{3}{4}$  of the amount he cooked, how much did they eat? 3. \_\_\_\_\_
- 4) A large container of lemon juice used  $\frac{1}{5}$  of a bag of lemons. If a small container used  $\frac{7}{9}$  the amount of a large container, how many bags does a small container use? 4. \_\_\_\_\_
- 5) A full truck weighed  $3\frac{1}{2}$  tons. If the truck was only  $\frac{3}{6}$  full, how much would it weigh? 5. \_\_\_\_\_
- 6) A soda shop owner told his employee to add 4 full cups and  $\frac{4}{7}$  of a cup of syrup to each gallon of soda. If there were 4 gallons of soda, how much syrup would be needed? 6. \_\_\_\_\_
- 7) Vanessa can read  $2\frac{5}{8}$  pages of a book in a minute. If she read for  $2\frac{2}{6}$  minutes, how much would she have read? 7. \_\_\_\_\_
- 8) A restaurant used 3 pounds of potatoes during a lunch rush. If they used  $\frac{5}{6}$  as much beef, how many pounds of beef did they use? 8. \_\_\_\_\_
- 9) After a party there was  $\frac{1}{4}$  of a pizza leftover. If the Tom gave  $\frac{1}{2}$  of the leftover to Amy, what fraction of the pizza did he give to her? 9. \_\_\_\_\_
- 10) An old wooden post was  $2\frac{1}{3}$  feet long. If you were to cut off  $\frac{1}{7}$  of it, how much would you have cut off? 10. \_\_\_\_\_
- 11) A bowl of cereal had  $2\frac{4}{7}$  grams of sugar in it. If Henry ate 4 bowls a week, how many grams of sugar would he have eaten? 11. \_\_\_\_\_
- 12) A baby frog weighed  $4\frac{3}{8}$  ounces. After a month it was  $2\frac{1}{2}$  times as heavy, how much did the frog weigh after a month? 12. \_\_\_\_\_



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

Answers

- |   |   |
|---|---|
| 1) Janet needed $3\frac{1}{2}$ feet of thread to finish a pillow she was making. If she has 2 times as much thread as she needs, what is the length of the thread she has?                    | 1. <u>7</u>                             |
| 2) A batch of chicken required $2\frac{1}{9}$ cups of flour. If a fast food restaurant was making $3\frac{7}{8}$ batches, how much flour would they need?                                     | 2. <u><math>8\frac{13}{72}</math></u>   |
| 3) A chef cooked 4 kilograms of mashed potatoes for a dinner party. If the guests only ate $\frac{3}{4}$ of the amount he cooked, how much did they eat?                                      | 3. <u>3</u>                             |
| 4) A large container of lemon juice used $\frac{1}{5}$ of a bag of lemons. If a small container used $\frac{7}{9}$ the amount of a large container, how many bags does a small container use? | 4. <u><math>0\frac{7}{45}</math></u>    |
| 5) A full truck weighed $3\frac{1}{2}$ tons. If the truck was only $\frac{3}{6}$ full, how much would it weigh?   | 5. <u><math>1\frac{9}{12}</math></u>    |
| 6) A soda shop owner told his employee to add 4 full cups and $\frac{4}{7}$ of a cup of syrup to each gallon of soda. If there were 4 gallons of soda, how much syrup would be needed?        | 6. <u><math>18\frac{2}{7}</math></u>    |
| 7) Vanessa can read $2\frac{5}{8}$ pages of a book in a minute. If she read for $2\frac{2}{6}$ minutes, how much would she have read?   | 7. <u><math>6\frac{6}{48}</math></u>    |
| 8) A restaurant used 3 pounds of potatoes during a lunch rush. If they used $\frac{5}{6}$ as much beef, how many pounds of beef did they use?   | 8. <u><math>2\frac{3}{6}</math></u>     |
| 9) After a party there was $\frac{1}{4}$ of a pizza leftover. If the Tom gave $\frac{1}{2}$ of the leftover to Amy, what fraction of the pizza did he give to her?                            | 9. <u><math>0\frac{1}{8}</math></u>     |
| 10) An old wooden post was $2\frac{1}{3}$ feet long. If you were to cut off $\frac{1}{7}$ of it, how much would you have cut off?   | 10. <u><math>0\frac{7}{21}</math></u>   |
| 11) A bowl of cereal had $2\frac{4}{7}$ grams of sugar in it. If Henry ate 4 bowls a week, how many grams of sugar would he have eaten?   | 11. <u><math>10\frac{2}{7}</math></u>   |
| 12) A baby frog weighed $4\frac{3}{8}$ ounces. After a month it was $2\frac{1}{2}$ times as heavy, how much did the frog weigh after a month?   | 12. <u><math>10\frac{15}{16}</math></u> |



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

Answers

- 1) A box of folders weighs  $2\frac{2}{5}$  pounds. If you have 3 boxes, how much would they weigh? 1. \_\_\_\_\_
- 2) A baby frog weighed  $4\frac{4}{5}$  ounces. After a month it was  $4\frac{1}{7}$  times as heavy, how much did the frog weigh after a month? 2. \_\_\_\_\_
- 3) Each day a company used  $\frac{1}{4}$  of a box of paper. How much would they have used after 4 days? 3. \_\_\_\_\_
- 4) Tom picked  $\frac{3}{6}$  a pound of apples, but  $\frac{3}{8}$  of them were bad. Of the apples Tom picked, how many pounds were bad? 4. \_\_\_\_\_
- 5) A box of markers weighed  $4\frac{2}{3}$  ounces. If a teacher took out  $\frac{4}{6}$  of the markers, what is the weight of the markers she took out? 5. \_\_\_\_\_
- 6) A box of pencils weighed  $3\frac{2}{3}$  ounces. If a principal ordered 3 boxes, how much would they weigh? 6. \_\_\_\_\_
- 7) A single box of thumb tacks weighed  $2\frac{1}{5}$  ounces. If a teacher had  $2\frac{1}{2}$  boxes, how much would their combined weight be? 7. \_\_\_\_\_
- 8) It takes  $\frac{2}{5}$  of a box of nails to build a bird house. If you wanted to build 4 bird houses, how much would you need? 8. \_\_\_\_\_
- 9) At the malt shop a large chocolate shake takes  $\frac{5}{8}$  of a pint of milk. If the medium shake takes  $\frac{1}{8}$  the amount of a large, how much does the medium shake take? 9. \_\_\_\_\_
- 10) A country road was  $3\frac{1}{6}$  miles long. If  $\frac{1}{5}$  of it was paved with cement how long was the paved part? 10. \_\_\_\_\_
- 11) An adult turtle weighed  $3\frac{2}{3}$  ounces. How much would 3 adult turtles weigh? 11. \_\_\_\_\_
- 12) A bottle of sugar syrup soda had  $4\frac{7}{8}$  grams of sugar in it. If Sam drank 4 full bottles and  $\frac{1}{5}$  of a bottle, how many grams of sugar did he drink? 12. \_\_\_\_\_



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

Answers

- 1) A box of folders weighs  $2\frac{2}{5}$  pounds. If you have 3 boxes, how much would they weigh?
- 2) A baby frog weighed  $4\frac{4}{5}$  ounces. After a month it was  $4\frac{1}{7}$  times as heavy, how much did the frog weigh after a month?
- 3) Each day a company used  $\frac{1}{4}$  of a box of paper. How much would they have used after 4 days?
- 4) Tom picked  $\frac{3}{6}$  a pound of apples, but  $\frac{3}{8}$  of them were bad. Of the apples Tom picked, how many pounds were bad?
- 5) A box of markers weighed  $4\frac{2}{3}$  ounces. If a teacher took out  $\frac{4}{6}$  of the markers, what is the weight of the markers she took out?
- 6) A box of pencils weighed  $3\frac{2}{3}$  ounces. If a principal ordered 3 boxes, how much would they weigh?
- 7) A single box of thumb tacks weighed  $2\frac{1}{5}$  ounces. If a teacher had  $2\frac{1}{2}$  boxes, how much would their combined weight be?
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- 9) At the malt shop a large chocolate shake takes  $\frac{5}{8}$  of a pint of milk. If the medium shake takes  $\frac{1}{8}$  the amount of a large, how much does the medium shake take?
- 10) A country road was  $3\frac{1}{6}$  miles long. If  $\frac{1}{5}$  of it was paved with cement how long was the paved part?
- 11) An adult turtle weighed  $3\frac{2}{3}$  ounces. How much would 3 adult turtles weigh?
- 12) A bottle of sugar syrup soda had  $4\frac{7}{8}$  grams of sugar in it. If Sam drank 4 full bottles and  $\frac{1}{5}$  of a bottle, how many grams of sugar did he drink?

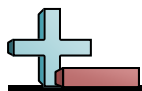
1.  $7\frac{1}{5}$
2.  $19\frac{31}{35}$
3.  $1$
4.  $0\frac{9}{48}$
5.  $3\frac{2}{18}$
6.  $11$
7.  $5\frac{5}{10}$
8.  $1\frac{3}{5}$
9.  $0\frac{5}{64}$
10.  $0\frac{19}{30}$
11.  $11$
12.  $20\frac{19}{40}$



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

Answers

- 1) Each day a carwash used  $3\frac{4}{6}$  gallons of soap. After 3 days, how much soap would they have used? 1. \_\_\_\_\_
- 2) A bottle of sugar syrup soda had  $4\frac{4}{6}$  grams of sugar in it. If Sam drank 2 full bottles and  $\frac{5}{7}$  of a bottle, how many grams of sugar did he drink? 2. \_\_\_\_\_
- 3) A water pitcher could hold  $\frac{3}{5}$  of a gallon of water. If Will filled up 2 pitchers, how much water would he have? 3. \_\_\_\_\_
- 4) On Monday Adam picked up  $\frac{6}{8}$  of a pound of cans to recycle. On Tuesday he picked up  $\frac{5}{6}$  that amount. How many pounds did Adam pick up on Tuesday? 4. \_\_\_\_\_
- 5) An old wooden post was  $3\frac{2}{3}$  feet long. If you were to cut off  $\frac{5}{8}$  of it, how much would you have cut off? 5. \_\_\_\_\_
- 6) Kaleb had a lump of play doh that was  $4\frac{5}{6}$  inches long. If he stretched it out to 2 times its current length how long would it be? 6. \_\_\_\_\_
- 7) A baby frog weighed  $2\frac{7}{8}$  ounces. After a month it was  $3\frac{7}{9}$  times as heavy, how much did the frog weigh after a month? 7. \_\_\_\_\_
- 8) A bakery used 2 cups of flour to make a full size cake. If they wanted to make a cake that was  $\frac{2}{3}$  the size, how many cups of flour would they need? 8. \_\_\_\_\_
- 9) Jerry filled a pitcher up  $\frac{2}{4}$  full then poured  $\frac{7}{9}$  of the pitcher into a glass. What fraction of the total pitcher did he pour into the glass? 9. \_\_\_\_\_
- 10) A new dish washing machine used  $3\frac{1}{2}$  gallons of water per full load to clean dishes. If Tom washed  $\frac{1}{7}$  of a load, how many gallons of water would be used? 10. \_\_\_\_\_
- 11) Carol needed  $2\frac{5}{8}$  feet of thread to finish a pillow she was making. If she has 2 times as much thread as she needs, what is the length of the thread she has? 11. \_\_\_\_\_
- 12) A package of paper weighs  $4\frac{5}{9}$  ounces. If Ned put  $4\frac{1}{8}$  packages of paper on a scale, how much would they weigh? 12. \_\_\_\_\_



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

Answers

- 1) Each day a carwash used  $3\frac{4}{6}$  gallons of soap. After 3 days, how much soap would they have used?
- 2) A bottle of sugar syrup soda had  $4\frac{4}{6}$  grams of sugar in it. If Sam drank 2 full bottles and  $\frac{5}{7}$  of a bottle, how many grams of sugar did he drink?
- 3) A water pitcher could hold  $\frac{3}{5}$  of a gallon of water. If Will filled up 2 pitchers, how much water would he have?
- 4) On Monday Adam picked up  $\frac{6}{8}$  of a pound of cans to recycle. On Tuesday he picked up  $\frac{5}{6}$  that amount. How many pounds did Adam pick up on Tuesday?
- 5) An old wooden post was  $3\frac{2}{3}$  feet long. If you were to cut off  $\frac{5}{8}$  of it, how much would you have cut off?
- 6) Kaleb had a lump of play doh that was  $4\frac{5}{6}$  inches long. If he stretched it out to 2 times its current length how long would it be?
- 7) A baby frog weighed  $2\frac{7}{8}$  ounces. After a month it was  $3\frac{7}{9}$  times as heavy, how much did the frog weigh after a month?
- 8) A bakery used 2 cups of flour to make a full size cake. If they wanted to make a cake that was  $\frac{2}{3}$  the size, how many cups of flour would they need?
- 9) Jerry filled a pitcher up  $\frac{2}{4}$  full then poured  $\frac{7}{9}$  of the pitcher into a glass. What fraction of the total pitcher did he pour into the glass?
- 10) A new dish washing machine used  $3\frac{1}{2}$  gallons of water per full load to clean dishes. If Tom washed  $\frac{1}{7}$  of a load, how many gallons of water would be used?
- 11) Carol needed  $2\frac{5}{8}$  feet of thread to finish a pillow she was making. If she has 2 times as much thread as she needs, what is the length of the thread she has?
- 12) A package of paper weighs  $4\frac{5}{9}$  ounces. If Ned put  $4\frac{1}{8}$  packages of paper on a scale, how much would they weigh?

1. 11
2.  $12\frac{28}{42}$
3.  $1\frac{1}{5}$
4.  $0\frac{30}{48}$
5.  $2\frac{7}{24}$
6.  $9\frac{4}{6}$
7.  $10\frac{62}{72}$
8.  $1\frac{1}{3}$
9.  $0\frac{14}{36}$
10.  $0\frac{7}{14}$
11.  $5\frac{2}{8}$
12.  $18\frac{57}{72}$





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

Answers

- 1) An industrial dishwasher takes 3 gallons of water to wash a full load of dishes. If you were to wash 2 full load and  $\frac{1}{3}$  of a load, how much water would you use?
- 2) A doctor told his patient to drink 4 full cups and  $\frac{2}{6}$  of a cup of medicine over a week. If each full cup was  $2\frac{1}{8}$  pints, how much is he going to drink over the week?
- 3) A chef cooked 3 kilograms of mashed potatoes for a dinner party. If the guests only ate  $\frac{2}{5}$  of the amount he cooked, how much did they eat?
- 4) For Halloween  $\frac{3}{4}$  of the candy sold was chocolate. Of the chocolate candy sold  $\frac{2}{3}$  was made by Nestle. What fraction of all the candy sold was chocolate and made by Nestle?
- 5) A geologist had two rocks on a scale that weighed  $2\frac{4}{6}$  together. Rock A was  $\frac{3}{4}$  of the total weight. How much did rock A weigh?
- 6) A bowl of cereal had  $4\frac{1}{2}$  grams of sugar in it. If Henry ate 4 bowls a week, how many grams of sugar would he have eaten?
- 7) A bag of strawberry candy takes  $3\frac{4}{5}$  ounces of strawberries to make. If you have  $4\frac{5}{6}$  bags, how many ounces of strawberries did it take to make them?
- 8) On Monday it snowed 2 inches. The next day it snowed  $\frac{3}{5}$  that amount. How much did it snow on the second day?
- 9) For a party Paul bought cupcakes, with  $\frac{1}{4}$  being chocolate. Of the chocolate cupcakes  $\frac{1}{3}$  of them had sprinkles. What fraction of the cupcakes were chocolate with sprinkles?
- 10) An old wooden post was  $2\frac{1}{2}$  feet long. If you were to cut off  $\frac{7}{8}$  of it, how much would you have cut off?
- 11) Emily can type  $3\frac{4}{6}$  sentences per minute. If she typed for 4 minutes, how much would she have typed?
- 12) A bottle of sugar syrup soda had  $2\frac{1}{3}$  grams of sugar in it. If Will drank 4 full bottles and  $\frac{4}{5}$  of a bottle, how many grams of sugar did he drink?

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



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

Answers

- 1) An industrial dishwasher takes 3 gallons of water to wash a full load of dishes. If you were to wash 2 full load and  $\frac{1}{3}$  of a load, how much water would you use?
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- 6) A bowl of cereal had  $4\frac{1}{2}$  grams of sugar in it. If Henry ate 4 bowls a week, how many grams of sugar would he have eaten?
- 7) A bag of strawberry candy takes  $3\frac{4}{5}$  ounces of strawberries to make. If you have  $4\frac{5}{6}$  bags, how many ounces of strawberries did it take to make them?
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- 10) An old wooden post was  $2\frac{1}{2}$  feet long. If you were to cut off  $\frac{7}{8}$  of it, how much would you have cut off?
- 11) Emily can type  $3\frac{4}{6}$  sentences per minute. If she typed for 4 minutes, how much would she have typed?
- 12) A bottle of sugar syrup soda had  $2\frac{1}{3}$  grams of sugar in it. If Will drank 4 full bottles and  $\frac{4}{5}$  of a bottle, how many grams of sugar did he drink?

1. 7
2.  $9\frac{10}{48}$
3.  $1\frac{1}{5}$
4.  $0\frac{6}{12}$
5. 2
6. 18
7.  $18\frac{11}{30}$
8.  $1\frac{1}{5}$
9.  $0\frac{1}{12}$
10.  $2\frac{3}{16}$
11.  $14\frac{4}{6}$
12.  $11\frac{3}{15}$



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

Answers

- 1) A taco recipe called for  $4\frac{7}{8}$  cups of meat per taco. If Amy wanted to make 2 tacos, how much meat would she need?
- 2) A batch of chicken required  $3\frac{4}{7}$  cups of flour. If a fast food restaurant was making  $4\frac{1}{3}$  batches, how much flour would they need?
- 3) On Halloween 4 friends each received  $\frac{1}{6}$  of a pound of candy. How much candy did they receive total?
- 4) A large container of lemon juice used  $\frac{4}{6}$  of a bag of lemons. If a small container used  $\frac{2}{9}$  the amount of a large container, how many bags does a small container use?
- 5) A country road was  $2\frac{1}{5}$  miles long. If  $\frac{1}{3}$  of it was paved with cement how long was the paved part?
- 6) Each day a carwash used  $4\frac{2}{3}$  gallons of soap. After 2 days, how much soap would they have used?
- 7) A package of paper weighs  $2\frac{2}{4}$  ounces. If Will put  $4\frac{4}{6}$  packages of paper on a scale, how much would they weigh?
- 8) A farmer gives each of his horses  $\frac{1}{9}$  of a salt lick a month. If he has 4 horses, how many salt licks does he use a month?
- 9) On Monday Victor picked up  $\frac{3}{5}$  of a pound of cans to recycle. On Tuesday he picked up  $\frac{5}{8}$  that amount. How many pounds did Victor pick up on Tuesday?
- 10) A batch of donuts required  $2\frac{3}{8}$  pints of glaze. If a donut store was making  $\frac{4}{7}$  of a batch, how much glaze would they need?
- 11) Sarah needed  $3\frac{5}{6}$  feet of thread to finish a pillow she was making. If she has 3 times as much thread as she needs, what is the length of the thread she has?
- 12) A new washing machine used  $2\frac{4}{9}$  gallons of water per full load to clean clothes. If Cody washed  $3\frac{5}{8}$  loads of clothes, how many gallons of water would be used?

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



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

Answers

- 1) A taco recipe called for  $4 \frac{7}{8}$  cups of meat per taco. If Amy wanted to make 2 tacos, how much meat would she need?
- 2) A batch of chicken required  $3 \frac{4}{7}$  cups of flour. If a fast food restaurant was making  $4 \frac{1}{3}$  batches, how much flour would they need?
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- 5) A country road was  $2 \frac{1}{5}$  miles long. If  $\frac{1}{3}$  of it was paved with cement how long was the paved part?
- 6) Each day a carwash used  $4 \frac{2}{3}$  gallons of soap. After 2 days, how much soap would they have used?
- 7) A package of paper weighs  $2 \frac{2}{4}$  ounces. If Will put  $4 \frac{4}{6}$  packages of paper on a scale, how much would they weigh?
- 8) A farmer gives each of his horses  $\frac{1}{9}$  of a salt lick a month. If he has 4 horses, how many salt licks does he use a month?
- 9) On Monday Victor picked up  $\frac{3}{5}$  of a pound of cans to recycle. On Tuesday he picked up  $\frac{5}{8}$  that amount. How many pounds did Victor pick up on Tuesday?
- 10) A batch of donuts required  $2 \frac{3}{8}$  pints of glaze. If a donut store was making  $\frac{4}{7}$  of a batch, how much glaze would they need?
- 11) Sarah needed  $3 \frac{5}{6}$  feet of thread to finish a pillow she was making. If she has 3 times as much thread as she needs, what is the length of the thread she has?
- 12) A new washing machine used  $2 \frac{4}{9}$  gallons of water per full load to clean clothes. If Cody washed  $3 \frac{5}{8}$  loads of clothes, how many gallons of water would be used?

1.  $9 \frac{6}{8}$
2.  $15 \frac{10}{21}$
3.  $0 \frac{4}{6}$
4.  $0 \frac{8}{54}$
5.  $0 \frac{11}{15}$
6.  $9 \frac{1}{3}$
7.  $11 \frac{16}{24}$
8.  $0 \frac{4}{9}$
9.  $0 \frac{15}{40}$
10.  $1 \frac{20}{56}$
11.  $11 \frac{3}{6}$
12.  $8 \frac{62}{72}$