



Solve each problem.

**Answers**

Ex) Olivia had a piece of thread exactly 2.8 yards long. After doing some sewing, she had 0.11 the original amount left. How much does she have left?

Ex. 0.308

1) A full truck weighed 3.4 tons. If the truck was only 0.22 full, how much would it weigh?

1. \_\_\_\_\_

2) A musician's hair was originally 3 centimeters long. She asked her hair dresser to cut 0.77 of it off. How many centimeters did she have cut off?

2. \_\_\_\_\_

3) At the zoo the polar bears are fed 0.6 bucket of fish a day. The penguins are fed 0.1 that amount. How much of a bucket are the penguins fed?

3. \_\_\_\_\_

4) Olivia can type 4.37 sentences per minute. If she typed for 3 minutes, how much would she have typed?

4. \_\_\_\_\_

5) A box of pencils weighed 2.81 grams. If a principal ordered 3 boxes, how much would they weigh?

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

6) After a dinner party there was 0.1 of a pot of stew leftover. If the Frank gave 0.78 of the leftover to Olivia, how much of the original pot did he give to her?

6. \_\_\_\_\_

7) A baby frog weighed 2.3 grams. After a month it was 3.71 times as heavy, how much did the frog weigh after a month?

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

8) A large container of lemon juice used 0.8 of a bag of lemons. If a small container used 0.59 the amount of a large container, how much does a small container use?

8. \_\_\_\_\_

9) A full container of industrial cleaning solution had 2.12 liters of liquid. If the container was only 0.41 full, how many liters are in there?

9. \_\_\_\_\_

10) A bowl of cereal had 3.49 grams of sugar in it. If Frank ate 3 bowls a week, how many grams of sugar would he have eaten?

10. \_\_\_\_\_

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  - 10) A bowl of cereal had 3.49 grams of sugar in it. If Frank ate 3 bowls a week, how many grams of sugar would he have eaten?

**Answers**

- Ex. 0.308
1. 0.748
2. 2.31
3. 0.06
4. 13.11
5. 8.43
6. 0.078
7. 8.533
8. 0.472
9. 0.8692
10. 10.47



**Solve each problem.**

**Answers**

**Ex)** It takes 0.5 of a box of nails to build a bird house. If you wanted to build 2 bird houses, how much would you need?

Ex. 1.

1) A single box of thumb tacks weighed 2.77 grams. If a teacher had 4.7 boxes, how much would their combined weight be?

1. \_\_\_\_\_

2) A farmer gives each of his horses 0.1 of a salt lick a month. If he has 2 horses, how many salt licks does he use a month?

2. \_\_\_\_\_

3) A box of markers weighed 4.3 kilograms. If a teacher took out 0.7 of the markers, what is the weight of the markers she took out?

3. \_\_\_\_\_

4) A bottle of sugar syrup soda had 3.7 grams of sugar in it. If Henry drank 4.2 bottles, how many grams of sugar did he drink?

4. \_\_\_\_\_

5) A new dish washing machine used 2.59 liters of water per full load to clean dishes. If Henry washed 0.3 of a load, how many liters of water would be used?

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

6) An old road was 4.72 miles long. After a renovation it was 3.47 times as long. How long was the road after the renovation?

6. \_\_\_\_\_

7) For Halloween 0.44 of the candy sold was chocolate. Of the chocolate candy sold 0.5 was made by Nestle. What amount of all the candy sold was chocolate and made by Nestle?

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

8) On Monday it snowed 2 centimeters. The next day it snowed 0.05 that amount. How much did it snow on the second day?

8. \_\_\_\_\_

9) After a dinner party there was 0.7 of a pot of stew leftover. If the Henry gave 0.3 of the leftover to Janet, how much of the original pot did he give to her?

9. \_\_\_\_\_

10) Janet can type 3.2 sentences per minute. If she typed for 4 minutes, how much would she have typed?

10. \_\_\_\_\_



Solve each problem.

- Ex) It takes 0.5 of a box of nails to build a bird house. If you wanted to build 2 bird houses, how much would you need?
- 1) A single box of thumb tacks weighed 2.77 grams. If a teacher had 4.7 boxes, how much would their combined weight be?
- 2) A farmer gives each of his horses 0.1 of a salt lick a month. If he has 2 horses, how many salt licks does he use a month?
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- 10) Janet can type 3.2 sentences per minute. If she typed for 4 minutes, how much would she have typed?

**Answers**

- Ex. 1.
1. 13.019
2. 0.2
3. 3.01
4. 15.54
5. 0.777
6. 16.3784
7. 0.22
8. 0.1
9. 0.21
10. 12.8



Solve each problem.

**Answers**

Ex) Frank filled a pitcher up 0.34 full then poured 0.6 of the pitcher into a glass. What amount of the total pitcher did he pour into the glass?

Ex. 0.204

1) An old road was 4.99 miles long. After a renovation it was 4.94 times as long. How long was the road after the renovation?

1. \_\_\_\_\_

2) An adult turtle weighed 2.9 grams. How much would 3 adult turtles weigh?

2. \_\_\_\_\_

3) A box of sunflower seeds weighed 2.63 kilograms. If a store sold 0.32 of the box, how much did they sell (in kilograms)?

3. \_\_\_\_\_

4) A geologist had two rocks on a scale that weighed 2.9 kilograms together. Rock A was 0.4 of the total weight. How much did rock A weigh?

4. \_\_\_\_\_

5) A new washing machine used 3.2 liters of water per full load to clean clothes. If Frank washed 3.05 loads of clothes, how many liters of water would be used?

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

6) A water pitcher could hold 0.9 of a gallon of water. If Frank filled up 4 pitchers, how much water would he have?

6. \_\_\_\_\_

7) For Halloween 0.71 of the candy sold was chocolate. Of the chocolate candy sold 0.8 was made by Nestle. What amount of all the candy sold was chocolate and made by Nestle?

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

8) An old wooden post was 4.8 meters long. If you were to cut off 0.2 of it, how much would you have cut off?

8. \_\_\_\_\_

9) For a party Frank bought cupcakes with 0.14 being chocolate. Of the chocolate cupcakes 0.48 of them had sprinkles. What amount of the total cupcakes bought were chocolate with sprinkles?

9. \_\_\_\_\_

10) On Monday it snowed 2 centimeters. The next day it snowed 0.3 that amount. How much did it snow on the second day?

10. \_\_\_\_\_



Solve each problem.

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**Answers**Ex. 0.2041. 24.65062. 8.73. 0.84164. 1.165. 9.766. 3.67. 0.5688. 0.969. 0.067210. 0.6



Solve each problem.

**Answers**

Ex) At the animal shelter 0.4 of the animals are cats. Of the cats 0.49 are male. What amount of the animals at the shelter are male cats?

Ex. 0.196

1) After a dinner party there was 0.1 of a pot of stew leftover. If the George gave 0.50 of the leftover to Rachel, how much of the original pot did he give to her?

1. \_\_\_\_\_

2) A new washing machine used 3.2 liters of water per full load to clean clothes. If George washed 2.7 loads of clothes, how many liters of water would be used?

2. \_\_\_\_\_

3) Rachel can type 3.38 sentences per minute. If she typed for 2 minutes, how much would she have typed?

3. \_\_\_\_\_

4) A restaurant used 4 kilograms of potatoes during a lunch rush. If they used 0.67 as much beef, how many kilograms of beef did they use?

4. \_\_\_\_\_

5) On Halloween 3 friends each received 0.16 of a pound of candy. How much candy did they receive total?

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

6) A single box of thumb tacks weighed 2.14 grams. If a teacher had 3.5 boxes, how much would their combined weight be?

6. \_\_\_\_\_

7) For Halloween 0.2 of the candy sold was chocolate. Of the chocolate candy sold 0.3 was made by Nestle. What amount of all the candy sold was chocolate and made by Nestle?

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

8) George stacked 3 pieces of wood on top of one another. If each piece was 0.27 of a meter tall, how tall was his pile?

8. \_\_\_\_\_

9) A bottle of soda had 2.03 of the daily recommended sugar. If you were to drink 0.28 of the bottle, how much of the daily recommend sugar would you have drank?

9. \_\_\_\_\_

10) A box of folders weighs 2.98 kilograms. If you have 4 boxes, how much would they weigh?

10. \_\_\_\_\_



Solve each problem.

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- 10) A box of folders weighs 2.98 kilograms. If you have 4 boxes, how much would they weigh?

**Answers**

- Ex. 0.196
1. 0.05
2. 8.64
3. 6.76
4. 2.68
5. 0.48
6. 7.49
7. 0.06
8. 0.81
9. 0.5684
10. 11.92





Solve each problem.

**Answers**

- Ex) An old road was 4.10 miles long. After a renovation it was 4.6 times as long. How long was the road after the renovation?
  
- 1) At the animal shelter 0.88 of the animals are cats. Of the cats 0.61 are male. What amount of the animals at the shelter are male cats?
  
- 2) A large container of lemon juice used 0.7 of a bag of lemons. If a small container used 0.1 the amount of a large container, how much does a small container use?
  
- 3) A full truck weighed 2.3 tons. If the truck was only 0.8 full, how much would it weigh?
  
- 4) Olivia can type 2.06 sentences per minute. If she typed for 3 minutes, how much would she have typed?
  
- 5) A batch of fried chicken required 2.88 liters of oil. If a fast food restaurant was making 4.06 batches, how much oil would they need?
  
- 6) A baby frog weighed 2.4 grams. After a month it was 3.4 times as heavy, how much did the frog weigh after a month?
  
- 7) Adam had a lump of play doh that was 2.30 centimeters long. If he stretched it out to 3 times its current length how long would it be?
  
- 8) On Halloween 4 friends each received 0.7 of a pound of candy. How much candy did they receive total?
  
- 9) Each day a company used 0.3 of a box of paper. How much would they have used after 2 days?
  
- 10) Olivia collected 3 times as many bags of cans as her friend. If her friend collected 0.77 of a bag, how much did Olivia collect?

- Ex. 18.86
- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_
- 4. \_\_\_\_\_
- 5. \_\_\_\_\_
- 6. \_\_\_\_\_
- 7. \_\_\_\_\_
- 8. \_\_\_\_\_
- 9. \_\_\_\_\_
- 10. \_\_\_\_\_

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  - Olivia collected 3 times as many bags of cans as her friend. If her friend collected 0.77 of a bag, how much did Olivia collect?

**Answers**

- Ex. 18.86
- 0.5368
  - 0.07
  - 1.84
  - 6.18
  - 11.6928
  - 8.16
  - 6.9
  - 2.8
  - 0.6
  - 2.31



**Solve each problem.**

**Answers**

- Ex) An old road was 3.1 miles long. After a renovation it was 3.8 times as long. How long was the road after the renovation?
  
- 1) Each day a carwash used 3.98 liters of soap. After 3 days, how much soap would they have used?
  
- 2) When Vanessa charges her 3DS fully it lasts for 3 hours. If she only charged it 0.52 full, how long would it last?
  
- 3) For a party Dave bought cupcakes with 0.2 being chocolate. Of the chocolate cupcakes 0.87 of them had sprinkles. What amount of the total cupcakes bought were chocolate with sprinkles?
  
- 4) A soda shop owner told his employee to add 2.8 cups of syrup to each liter of soda. If there were 4 liters of soda, how much syrup would be needed?
  
- 5) On Monday Dave picked up 0.88 of a kilogram of cans to recycle. On Tuesday he picked up 0.9 that amount. How much did Dave pick up on Tuesday?
  
- 6) A musician's hair was originally 2 centimeters long. She asked her hair dresser to cut 0.91 of it off. How many centimeters did she have cut off?
  
- 7) A full container of industrial cleaning solution had 3.46 liters of liquid. If the container was only 0.52 full, how many liters are in there?
  
- 8) A bag of pistachios is 4.79 grams. If you have 0.56 of a bag, how many grams does it weigh?
  
- 9) A single box of thumb tacks weighed 3.6 grams. If a teacher had 2.62 boxes, how much would their combined weight be?
  
- 10) A batch of donuts required 4.27 pints of glaze. If a donut store was making 0.8 of a batch, how much glaze would they need?

- Ex. 11.78
- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_
- 4. \_\_\_\_\_
- 5. \_\_\_\_\_
- 6. \_\_\_\_\_
- 7. \_\_\_\_\_
- 8. \_\_\_\_\_
- 9. \_\_\_\_\_
- 10. \_\_\_\_\_

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**Answers**

- Ex. 11.78
1. 11.94
2. 1.56
3. 0.174
4. 11.2
5. 0.792
6. 1.82
7. 1.7992
8. 2.6824
9. 9.432
10. 3.416



Solve each problem.

**Answers**

Ex) A geologist had two rocks on a scale that weighed 3.19 kilograms together. Rock A was 0.8 of the total weight. How much did rock A weigh?

Ex. 2.552

1) An adult turtle weighed 4.78 grams. How much would 2 adult turtles weigh?

1. \_\_\_\_\_

2) A large container of lemon juice used 0.29 of a bag of lemons. If a small container used 0.6 the amount of a large container, how much does a small container use?

2. \_\_\_\_\_

3) A restaurant used 3 kilograms of potatoes during a lunch rush. If they used 0.9 as much beef, how many kilograms of beef did they use?

3. \_\_\_\_\_

4) On Monday Tom picked up 0.76 of a kilogram of cans to recycle. On Tuesday he picked up 0.1 that amount. How much did Tom pick up on Tuesday?

4. \_\_\_\_\_

5) Tom filled a pitcher up 0.3 full then poured 0.70 of the pitcher into a glass. What amount of the total pitcher did he pour into the glass?

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

6) A full package of paper weighs 3.9 kilograms. If Tom put 3.46 packages of paper on a scale, how much would they weigh?

6. \_\_\_\_\_

7) Vanessa needed 2.9 meters 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?

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

8) Tom ran 3 miles on his first day of training. The next day he ran 0.22 that distance. How far did he run the second day?

8. \_\_\_\_\_

9) Vanessa had a piece of thread exactly 3.37 yards long. After doing some sewing, she had 0.88 the original amount left. How much does she have left?

9. \_\_\_\_\_

10) A bag of strawberry candy takes 3.9 ounces of strawberries to make. If you have 3.1 bags, how many ounces of strawberries did it take to make them?

10. \_\_\_\_\_

10. \_\_\_\_\_



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**Answers**

- Ex. 2.552
1. 9.56
2. 0.174
3. 2.7
4. 0.076
5. 0.21
6. 13.494
7. 11.6
8. 0.66
9. 2.9656
10. 12.09



Solve each problem.

**Answers**

- Ex) An air freshener used 4.11 milliliters of perfume. If Bianca wanted to make 2 air fresheners, how many milliliters of perfume would she use?
  
- 1) Bianca was packing up some of her old stuff into a box. If each box could hold 0.1 of a pound and she packed 3 boxes, how much weight did she pack?
  
- 2) A box of folders weighs 4.7 kilograms. If you have 3 boxes, how much would they weigh?
  
- 3) A taco recipe called for 4.2 cups of meat per taco. If Bianca wanted to make 2 tacos, how much meat would she need?
  
- 4) A farmer gives each of his horses 0.42 of a salt lick a month. If he has 4 horses, how many salt licks does he use a month?
  
- 5) Jerry had a lump of silly putty that was 2.92 centimeters long. If he stretched it out to 4.4 times its current length how long would it be?
  
- 6) A box of markers weighed 4.7 kilograms. If a teacher took out 0.2 of the markers, what is the weight of the markers she took out?
  
- 7) A new dish washing machine used 4.01 liters of water per full load to clean dishes. If Jerry washed 0.3 of a load, how many liters of water would be used?
  
- 8) Bianca bought a bunch of packages of gum at the gas station and ate 0.98 of a package each week. How much would she have eaten after 2 weeks?
  
- 9) A industrial machine uses 0.8 of a meter of thread to make a full size towel. If a smaller towel takes 0.2 the amount of a full size towel, how much thread does a small towel take?
  
- 10) At the animal shelter 0.1 of the animals are cats. Of the cats 0.77 are male. What amount of the animals at the shelter are male cats?

Ex. 8.22

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

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

6. \_\_\_\_\_

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

8. \_\_\_\_\_

9. \_\_\_\_\_

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- 6) A box of markers weighed 4.7 kilograms. If a teacher took out 0.2 of the markers, what is the weight of the markers she took out?
- 7) A new dish washing machine used 4.01 liters of water per full load to clean dishes. If Jerry washed 0.3 of a load, how many liters of water would be used?
- 8) Bianca bought a bunch of packages of gum at the gas station and ate 0.98 of a package each week. How much would she have eaten after 2 weeks?
- 9) A industrial machine uses 0.8 of a meter of thread to make a full size towel. If a smaller towel takes 0.2 the amount of a full size towel, how much thread does a small towel take?
- 10) At the animal shelter 0.1 of the animals are cats. Of the cats 0.77 are male. What amount of the animals at the shelter are male cats?

**Answers**

- Ex. 8.22
1. 0.3
2. 14.1
3. 8.4
4. 1.68
5. 12.848
6. 0.94
7. 1.203
8. 1.96
9. 0.16
10. 0.077





Solve each problem.

**Answers**

Ex) A industrial machine uses 0.8 of a meter of thread to make a full size towel. If a smaller towel takes 0.6 the amount of a full size towel, how much thread does a small towel take?

Ex. 0.48

1) A restaurant had 3 full boxes of spoons. If each full box weighed 2.7 kilograms, what is the combined weight of the boxes the restaurant has?

1. \_\_\_\_\_

2) A box of pencils weighed 3.8 grams. If a principal ordered 4 boxes, how much would they weigh?

2. \_\_\_\_\_

3) Lana bought a bunch of packages of gum at the gas station and ate 0.1 of a package each week. How much would she have eaten after 3 weeks?

3. \_\_\_\_\_

4) On Monday it snowed 3 centimeters. The next day it snowed 0.36 that amount. How much did it snow on the second day?

4. \_\_\_\_\_

5) A bottle of soda had 2.95 of the daily recommended sugar. If you were to drink 0.5 of the bottle, how much of the daily recommend sugar would you have drank?

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

6) A full container of industrial cleaning solution had 4.8 liters of liquid. If the container was only 0.7 full, how many liters are in there?

6. \_\_\_\_\_

7) A baby frog weighed 2.18 grams. After a month it was 2.40 times as heavy, how much did the frog weigh after a month?

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

8) At the malt shop a large chocolate shake takes 0.4 of a pint of milk. If the medium shake takes 0.1 the amount of a large, how much does the medium shake take?

8. \_\_\_\_\_

9) When Lana charges her 3DS fully it lasts for 3 hours. If she only charged it 0.76 full, how long would it last?

9. \_\_\_\_\_

10) A box of sunflower seeds weighed 3.4 kilograms. If a store sold 0.73 of the box, how much did they sell (in kilograms)?

10. \_\_\_\_\_



Solve each problem.

- Ex) A industrial machine uses 0.8 of a meter of thread to make a full size towel. If a smaller towel takes 0.6 the amount of a full size towel, how much thread does a small towel take?
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**Answers**

- Ex. 0.48
1. 8.1
2. 15.2
3. 0.3
4. 1.08
5. 1.475
6. 3.36
7. 5.232
8. 0.04
9. 2.28
10. 2.482

**Solve each problem.****Answers**

- Ex)** An air freshener used 2.88 milliliters of perfume. If Vanessa wanted to make 3 air fresheners, how many milliliters of perfume would she use?
- 1) A glass of lemonade took 3.6 scoops of sugar to make. If you wanted to make 4 glasses, how many scoops of sugar would you need?
- 2) A bag of pistachios is 3.07 grams. If you have 0.7 of a bag, how many grams does it weigh?
- 3) A bag of strawberry candy takes 3.9 ounces of strawberries to make. If you have 2.32 bags, how many ounces of strawberries did it take to make them?
- 4) A farmer gives each of his horses 0.37 of a salt lick a month. If he has 2 horses, how many salt licks does he use a month?
- 5) On Monday Frank picked up 0.3 of a kilogram of cans to recycle. On Tuesday he picked up 0.2 that amount. How much did Frank pick up on Tuesday?
- 6) A bowl of cereal had 2.46 grams of sugar in it. If Frank ate 3 bowls a week, how many grams of sugar would he have eaten?
- 7) After a dinner party there was 0.42 of a pot of stew leftover. If the Frank gave 0.8 of the leftover to Vanessa, how much of the original pot did he give to her?
- 8) Vanessa bought a bunch of packages of gum at the gas station and ate 0.15 of a package each week. How much would she have eaten after 3 weeks?
- 9) Vanessa had a piece of thread exactly 4.56 yards long. After doing some sewing, she had 0.7 the original amount left. How much does she have left?
- 10) Frank had a bucket that was 0.4 full of apples. He ended up throwing out 0.29 of them though because they were bad. Out of the total amount Frank had how many of them were bad?

- Ex. 8.64
1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_



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**Answers**

- Ex. 8.64
1. 14.4
2. 2.149
3. 9.048
4. 0.74
5. 0.06
6. 7.38
7. 0.336
8. 0.45
9. 3.192
10. 0.116