## Solve each problem.

1) While exercising Adam walked $\frac{1}{2}$ of a mile in $1 / 3$ of an hour. At this rate, how far will he have travelled after an hour?
2) A chef used $1 / 2$ of a bag of potatoes to make $1 / 3$ of a gallon of stew. If he wanted to make a full gallon of stew how many bags of potatoes would he need?
3) Rachel spent $1 / 2$ of an hour playing on her phone. That used up $1 / 3$ of her battery. How long would she have to play on her phone to use the entire battery?
4) A container of gasoline that held $1 / 2$ of a liter could fill up $1 / 3$ of a motorcycle gas tank. How many containers would you need to fill up the gas tank entirely?
5) A water hose had filled up $1 / 3$ of a pool after $1 / 2$ of an hour. At this rate, how many hours would it take to fill the pool?
6) A carpenter used $\frac{1}{2}$ of a box of nails while working on a birdhouse and was able to finish $1 / 3$ of it. At this rate, how many boxes will he need to finish the entire birdhouse?
7) Lana was using a container to fill up a fishbowl. The container held $\frac{1}{2}$ of a gallon of water and filled $1 / 3$ of the fishbowl. At this rate, how many containers will it take to fill the fishbowl?
8) A discount bottle of perfume was $1 / 2$ of a liter. That was enough to fill $\frac{1}{3}$ of a jug. How many bottles of perfume would you need to fill the entire jug?
9) A dejuicer was able to squeeze a pint of juice from $1 / 2 \mathrm{bag}$ of oranges. This amount of juice filled up $1 / 3$ of a jug. At this rate, how many bags will it take to fill the entire jug?
10) A basket of lemons weighed $\frac{1}{2}$ of a pound and could make a cup of lemonaide that was $1 / 3$ full. How many baskets of lemons would you need to fill up the entire cup?

Answers

1. $\qquad$
2. $\qquad$
3. $\qquad$
4. $\qquad$
5. $\qquad$
6. $\qquad$
7. $\qquad$
8. $\qquad$
9. $\qquad$
10. $\qquad$

## Solve each problem.

1) While exercising Adam walked $\frac{1}{2}$ of a mile in $1 / 3$ of an hour. At this rate, how far will he have travelled after an hour?
2) A chef used $1 / 2$ of a bag of potatoes to make $\frac{1}{3}$ of a gallon of stew. If he wanted to make a full gallon of stew how many bags of potatoes would he need?
3) Rachel spent $1 / 2$ of an hour playing on her phone. That used up $1 / 3$ of her battery. How long would she have to play on her phone to use the entire battery?
4) A container of gasoline that held $\frac{1}{2}$ of a liter could fill up $\frac{1}{3}$ of a motorcycle gas tank. How many containers would you need to fill up the gas tank entirely?
5) A water hose had filled up $1 / 3$ of a pool after $1 / 2$ of an hour. At this rate, how many hours would it take to fill the pool?
6) A carpenter used $\frac{1}{2}$ of a box of nails while working on a birdhouse and was able to finish $1 / 3$ of it. At this rate, how many boxes will he need to finish the entire birdhouse?
7) Lana was using a container to fill up a fishbowl. The container held $\frac{1}{2}$ of a gallon of water and filled $1 / 3$ of the fishbowl. At this rate, how many containers will it take to fill the fishbowl?
8) A discount bottle of perfume was $1 / 2$ of a liter. That was enough to fill $\frac{1}{3}$ of a jug. How many bottles of perfume would you need to fill the entire jug?
9) A dejuicer was able to squeeze a pint of juice from $1 / 2$ bag of oranges. This amount of juice filled up $1 / 3$ of a jug. At this rate, how many bags will it take to fill the entire jug?
10) A basket of lemons weighed $\frac{1}{2}$ of a pound and could make a cup of lemonaide that was $1 / 3$ full. How many baskets of lemons would you need to fill up the entire cup?

Answers

1. $1 / 2$ miles
2. $\qquad$ bags
3. $\qquad$ 2 hours
4. $\qquad$ 3 containers
5. $\qquad$
6. $\qquad$
7. $\qquad$
8. $\qquad$
9. 


10. $\qquad$

## Solve each problem.

1) A water hose had filled up $\frac{1}{3}$ of a pool after $\frac{1}{2}$ of an hour. At this rate, how many hours would it take to fill the pool?
2) A dejuicer was able to squeeze a pint of juice from $1 / 2$ bag of oranges. This amount of juice filled up $1 / 3$ of a jug. At this rate, how many bags will it take to fill the entire jug?
3) Maria spent $1 / 2$ of an hour playing on her phone. That used up $1 / 3$ of her battery. How long would she have to play on her phone to use the entire battery?
4) A snail going full speed was taking $1 / 2$ of a minute to move $1 / 3$ of a centimeter. At this rate, how long would it take the snail to travel a centimeter?
5) A bag of grass seeds weighed $1 / 2$ of a kilogram. That was enough to cover $1 / 3$ of a front lawn with seed. How many bags would it take to completely cover a lawn?
6) A container of gasoline that held $1 / 2$ of a liter could fill up $1 / 3$ of a motorcycle gas tank. How many containers would you need to fill up the gas tank entirely?
7) A bag of chocolate mix that weighed $\frac{1}{2}$ of a kilogram could make enough brownies to feed $1 / 3$ of the students at school. How many bags would be needed to feed all of the students?
8) Debby was using a container to fill up a fishbowl. The container held $\frac{1}{2}$ of a gallon of water and filled $1 / 3$ of the fishbowl. At this rate, how many containers will it take to fill the fishbowl?
9) A basket of lemons weighed $\frac{1}{2}$ of a pound and could make a cup of lemonaide that was $1 / 3$ full. How many baskets of lemons would you need to fill up the entire cup?
10) A discount bottle of perfume was $1 / 2$ of a liter. That was enough to fill $1 / 3$ of a jug. How many bottles of perfume would you need to fill the entire jug?

Answers

1. $\qquad$
2. $\qquad$
3. $\qquad$
4. $\qquad$
5. $\qquad$
6. $\qquad$
7. $\qquad$
8. $\qquad$
9. $\qquad$
10. $\qquad$

## Solve each problem.

1) A water hose had filled up $\frac{1}{3}$ of a pool after $\frac{1}{2}$ of an hour. At this rate, how many hours would it take to fill the pool?
2) A dejuicer was able to squeeze a pint of juice from $1 / 2$ bag of oranges. This amount of juice filled up $1 / 3$ of a jug. At this rate, how many bags will it take to fill the entire jug?
3) Maria spent $1 / 2$ of an hour playing on her phone. That used up $1 / 3$ of her battery. How long would she have to play on her phone to use the entire battery?
4) A snail going full speed was taking $1 / 2$ of a minute to move $1 / 3$ of a centimeter. At this rate, how long would it take the snail to travel a centimeter?
5) A bag of grass seeds weighed $1 / 2$ of a kilogram. That was enough to cover $1 / 3$ of a front lawn with seed. How many bags would it take to completely cover a lawn?
6) A container of gasoline that held $1 / 2$ of a liter could fill up $1 / 3$ of a motorcycle gas tank. How many containers would you need to fill up the gas tank entirely?
7) A bag of chocolate mix that weighed $1 / 2$ of a kilogram could make enough brownies to feed $1 / 3$ of the students at school. How many bags would be needed to feed all of the students?
8) Debby was using a container to fill up a fishbowl. The container held $\frac{1}{2}$ of a gallon of water and filled $1 / 3$ of the fishbowl. At this rate, how many containers will it take to fill the fishbowl?
9) A basket of lemons weighed $\frac{1}{2}$ of a pound and could make a cup of lemonaide that was $1 / 3$ full. How many baskets of lemons would you need to fill up the entire cup?
10) A discount bottle of perfume was $1 / 2$ of a liter. That was enough to fill $1 / 3$ of a jug. How many bottles of perfume would you need to fill the entire jug?

Answers

1. $\qquad$
2. $\qquad$ bags
$11 / 2$ hours
3. 

$1 / 2$ minutes
5. $\qquad$
6. $\qquad$
7. $\qquad$
8. $\qquad$
9. $\qquad$
10. $\qquad$ Solve each problem.

1) An old potato outputs $1 / 2$ of a volt of electricty, which is $1 / 3$ the amount of power needed for a small lightbulb. How many potatoes would you need to power the lightbulb?
2) A bag of grass seeds weighed $1 / 2$ of a kilogram. That was enough to cover $1 / 3$ of a front lawn with seed. How many bags would it take to completely cover a lawn?
3) A small can of paint was $1 / 2$ of a liter. That was enough to fill $\frac{1}{3}$ of a paint sprayer. How many cans of paint would it take to completely fill the sprayer?
4) A water hose had filled up $\frac{1}{3}$ of a pool after $\frac{1}{2}$ of an hour. At this rate, how many hours would it take to fill the pool?
5) A basket of lemons weighed $1 / 2$ of a pound and could make a cup of lemonaide that was $1 / 3$ full. How many baskets of lemons would you need to fill up the entire cup?
6) A discount bottle of perfume was $1 / 2$ of a liter. That was enough to fill $\frac{1}{3}$ of a jug. How many bottles of perfume would you need to fill the entire jug?
7) A dejuicer was able to squeeze a pint of juice from $1 / 2$ bag of oranges. This amount of juice filled up $1 / 3$ of a jug. At this rate, how many bags will it take to fill the entire jug?
8) It takes a baker $1 / 2$ of an hour to make enough cookies to fill $\frac{1}{3}$ of large box. How long would it take him to fill the whole box?
9) Carol was using a container to fill up a fishbowl. The container held $\frac{1}{2}$ of a gallon of water and filled $1 / 3$ of the fishbowl. At this rate, how many containers will it take to fill the fishbowl?
10) Nancy spent $1 / 2$ of an hour playing on her phone. That used up $\frac{1}{3}$ of her battery. How long would she have to play on her phone to use the entire battery?

Answers

1. $\qquad$
2. $\qquad$
3. $\qquad$
4. $\qquad$
5. $\qquad$
6. $\qquad$
7. $\qquad$
8. $\qquad$
9. $\qquad$
10. $\qquad$

## Solve each problem.

1) An old potato outputs $1 / 2$ of a volt of electricty, which is $1 / 3$ the amount of power needed for a small lightbulb. How many potatoes would you need to power the lightbulb?
2) A bag of grass seeds weighed $1 / 2$ of a kilogram. That was enough to cover $\frac{1}{3}$ of a front lawn with seed. How many bags would it take to completely cover a lawn?
3) A small can of paint was $1 / 2$ of a liter. That was enough to fill $\frac{1}{3}$ of a paint sprayer. How many cans of paint would it take to completely fill the sprayer?
4) A water hose had filled up $1 / 3$ of a pool after $1 / 2$ of an hour. At this rate, how many hours would it take to fill the pool?
5) A basket of lemons weighed $1 / 2$ of a pound and could make a cup of lemonaide that was $1 / 3$ full. How many baskets of lemons would you need to fill up the entire cup?
6) A discount bottle of perfume was $\frac{1}{2}$ of a liter. That was enough to fill $\frac{1}{3}$ of a jug. How many bottles of perfume would you need to fill the entire jug?
7) A dejuicer was able to squeeze a pint of juice from $1 / 2$ bag of oranges. This amount of juice filled up $1 / 3$ of a jug. At this rate, how many bags will it take to fill the entire jug?
8) It takes a baker $1 / 2$ of an hour to make enough cookies to fill $\frac{1}{3}$ of large box. How long would it take him to fill the whole box?
9) Carol was using a container to fill up a fishbowl. The container held $\frac{1}{2}$ of a gallon of water and filled $1 / 3$ of the fishbowl. At this rate, how many containers will it take to fill the fishbowl?
10) Nancy spent $1 / 2$ of an hour playing on her phone. That used up $\frac{1}{3}$ of her battery. How long would she have to play on her phone to use the entire battery?

Answers

1. $\qquad$
2. $\qquad$
3. $\qquad$
$1 \frac{1}{2}$ hours
4. $\qquad$
5. $\qquad$
6. $\qquad$
7. $\qquad$ $1 / 2$ hours
8. $\qquad$
9. $\qquad$ $1 / 2$ hours
10. $\qquad$

## Solve each problem.

1) A discount bottle of perfume was $\frac{1}{2}$ of a liter. That was enough to fill $\frac{1}{3}$ of a jug. How many bottles of perfume would you need to fill the entire jug?
2) While exercising Victor walked $1 / 2$ of a mile in $1 / 3$ of an hour. At this rate, how far will he have travelled after an hour?
3) A bag of chocolate mix that weighed $1 / 2$ of a kilogram could make enough brownies to feed $1 / 3$ of the students at school. How many bags would be needed to feed all of the students?
4) A basket of lemons weighed $\frac{1}{2}$ of a pound and could make a cup of lemonaide that was $1 / 3$ full. How many baskets of lemons would you need to fill up the entire cup?
5) A pencil making machine took $1 / 2$ of a second to make enough pencils to fill $1 / 3$ of a box. At this rate, how long would it take the machine to fill the entire box?
6) A container of gasoline that held $1 / 2$ of a liter could fill up $\frac{1}{3}$ of a motorcycle gas tank. How many containers would you need to fill up the gas tank entirely?
7) A water hose had filled up $\frac{1}{3}$ of a pool after $\frac{1}{2}$ of an hour. At this rate, how many hours would it take to fill the pool?
8) A bag of grass seeds weighed $1 / 2$ of a kilogram. That was enough to cover $1 / 3$ of a front lawn with seed. How many bags would it take to completely cover a lawn?
9) A chef used $1 / 2$ of a bag of potatoes to make $1 / 3$ of a gallon of stew. If he wanted to make a full gallon of stew how many bags of potatoes would he need?
10) A snail going full speed was taking $1 / 2$ of a minute to move $\frac{1}{3}$ of a centimeter. At this rate, how long would it take the snail to travel a centimeter?

Answers

1. $\qquad$
2. $\qquad$
3. 
4. $\qquad$
5. $\qquad$
6. $\qquad$
7. $\qquad$
8. $\qquad$
9. $\qquad$
10. $\qquad$

## Solve each problem.

1) A discount bottle of perfume was $1 / 2$ of a liter. That was enough to fill $1 / 3$ of a jug. How many bottles of perfume would you need to fill the entire jug?
2) While exercising Victor walked $\frac{1}{2}$ of a mile in $1 / 3$ of an hour. At this rate, how far will he have travelled after an hour?
3) A bag of chocolate mix that weighed $\frac{1}{2}$ of a kilogram could make enough brownies to feed $\frac{1}{3}$ of the students at school. How many bags would be needed to feed all of the students?
4) A basket of lemons weighed $\frac{1}{2}$ of a pound and could make a cup of lemonaide that was $1 / 3$ full. How many baskets of lemons would you need to fill up the entire cup?
5) A pencil making machine took $1 / 2$ of a second to make enough pencils to fill $\frac{1}{3}$ of a box. At this rate, how long would it take the machine to fill the entire box?
6) A container of gasoline that held $1 / 2$ of a liter could fill up $1 / 3$ of a motorcycle gas tank. How many containers would you need to fill up the gas tank entirely?
7) A water hose had filled up $\frac{1}{3}$ of a pool after $\frac{1}{2}$ of an hour. At this rate, how many hours would it take to fill the pool?
8) A bag of grass seeds weighed $1 / 2$ of a kilogram. That was enough to cover $1 / 3$ of a front lawn with seed. How many bags would it take to completely cover a lawn?
9) A chef used $1 / 2$ of a bag of potatoes to make $1 / 3$ of a gallon of stew. If he wanted to make a full gallon of stew how many bags of potatoes would he need?
10) A snail going full speed was taking $\frac{1}{2}$ of a minute to move $\frac{1}{3}$ of a centimeter. At this rate, how long would it take the snail to travel a centimeter?

Answers

1. $\qquad$ bottles
2. $\qquad$ miles
3. $\qquad$
4. $\qquad$
$1 / 2$ seconds
5. $\qquad$
6. 

$1 \frac{1}{2}$ hours
8. $\qquad$
9. $\qquad$
10. $\qquad$

## Solve each problem.

1) A bag of chocolate mix that weighed $1 / 2$ of a kilogram could make enough brownies to feed $1 / 3$ of the students at school. How many bags would be needed to feed all of the students?
2) A basket of lemons weighed $1 / 2$ of a pound and could make a cup of lemonaide that was $1 / 3$ full. How many baskets of lemons would you need to fill up the entire cup?
3) Nancy spent $1 / 2$ of an hour playing on her phone. That used up $1 / 3$ of her battery. How long would she have to play on her phone to use the entire battery?
4) Paige was using a container to fill up a fishbowl. The container held $1 / 2$ of a gallon of water and filled $1 / 3$ of the fishbowl. At this rate, how many containers will it take to fill the fishbowl?
5) A carpenter used $1 / 2$ of a box of nails while working on a birdhouse and was able to finish $1 / 3$ of it. At this rate, how many boxes will he need to finish the entire birdhouse?
6) A restaurant took $\frac{1}{2}$ of an hour to use $1 / 3$ of a package of napkins. At this rate, how many hours would it take to use the entire package?
7) A water hose had filled up $\frac{1}{3}$ of a pool after $\frac{1}{2}$ of an hour. At this rate, how many hours would it take to fill the pool?
8) A dejuicer was able to squeeze a pint of juice from $1 / 2$ bag of oranges. This amount of juice filled up $1 / 3$ of a jug. At this rate, how many bags will it take to fill the entire jug?
9) A snail going full speed was taking $1 / 2$ of a minute to move $\frac{1}{3}$ of a centimeter. At this rate, how long would it take the snail to travel a centimeter?
10) A bag of grass seeds weighed $1 / 2$ of a kilogram. That was enough to cover $1 / 3$ of a front lawn with seed. How many bags would it take to completely cover a lawn?

Answers

1. $\qquad$
2. $\qquad$
3. $\qquad$
4. $\qquad$
5. $\qquad$
6. $\qquad$
7. $\qquad$
8. $\qquad$
9. $\qquad$
10. $\qquad$

Math www.CommonCoreSheets.com

## Solve each problem.

1) A bag of chocolate mix that weighed $1 / 2$ of a kilogram could make enough brownies to feed $1 / 3$ of the students at school. How many bags would be needed to feed all of the students?
2) A basket of lemons weighed $1 / 2$ of a pound and could make a cup of lemonaide that was $1 / 3$ full. How many baskets of lemons would you need to fill up the entire cup?
3) Nancy spent $1 / 2$ of an hour playing on her phone. That used up $1 / 3$ of her battery. How long would she have to play on her phone to use the entire battery?
4) Paige was using a container to fill up a fishbowl. The container held $\frac{1}{2}$ of a gallon of water and filled $1 / 3$ of the fishbowl. At this rate, how many containers will it take to fill the fishbowl?
5) A carpenter used $1 / 2$ of a box of nails while working on a birdhouse and was able to finish $1 / 3$ of it. At this rate, how many boxes will he need to finish the entire birdhouse?
6) A restaurant took $\frac{1}{2}$ of an hour to use $1 / 3$ of a package of napkins. At this rate, how many hours would it take to use the entire package?
7) A water hose had filled up $\frac{1}{3}$ of a pool after $\frac{1}{2}$ of an hour. At this rate, how many hours would it take to fill the pool?
8) A dejuicer was able to squeeze a pint of juice from $1 / 2$ bag of oranges. This amount of juice filled up $1 / 3$ of a jug. At this rate, how many bags will it take to fill the entire jug?
9) A snail going full speed was taking $1 / 2$ of a minute to move $1 / 3$ of a centimeter. At this rate, how long would it take the snail to travel a centimeter?
10) A bag of grass seeds weighed $1 / 2$ of a kilogram. That was enough to cover $\frac{1}{3}$ of a front lawn with seed. How many bags would it take to completely cover a lawn?

Answers

1. $\qquad$
2. $\qquad$ 3 baskets
3. $1 \frac{1}{2}$ hours
4. $\qquad$
5. $\qquad$
6. $\qquad$
7. $1 \frac{1}{2}$ hours
8. $\qquad$
9. $\qquad$
10. $\qquad$

## Solve each problem.

1) A bag of grass seeds weighed $1 / 2$ of a kilogram. That was enough to cover $1 / 3$ of a front lawn with seed. How many bags would it take to completely cover a lawn?
2) A dejuicer was able to squeeze a pint of juice from $1 / 2$ bag of oranges. This amount of juice filled up $1 / 3$ of a jug. At this rate, how many bags will it take to fill the entire jug?
3) A basket of lemons weighed $\frac{1}{2}$ of a pound and could make a cup of lemonaide that was $1 / 3$ full. How many baskets of lemons would you need to fill up the entire cup?
4) A pencil making machine took $1 / 2$ of a second to make enough pencils to fill $1 / 3$ of a box. At this rate, how long would it take the machine to fill the entire box?
5) A carpenter used $1 / 2$ of a box of nails while working on a birdhouse and was able to finish $1 / 3$ of it. At this rate, how many boxes will he need to finish the entire birdhouse?
6) Amy was using a container to fill up a fishbowl. The container held $\frac{1}{2}$ of a gallon of water and filled $1 / 3$ of the fishbowl. At this rate, how many containers will it take to fill the fishbowl?
7) A water hose had filled up $\frac{1}{3}$ of a pool after $\frac{1}{2}$ of an hour. At this rate, how many hours would it take to fill the pool?
8) An old potato outputs $1 / 2$ of a volt of electricty, which is $1 / 3$ the amount of power needed for a small lightbulb. How many potatoes would you need to power the lightbulb?
9) It takes a baker $1 / 2$ of an hour to make enough cookies to fill $\frac{1}{3}$ of large box. How long would it take him to fill the whole box?
10) Lana spent $\frac{1}{2}$ of an hour playing on her phone. That used up $\frac{1}{3}$ of her battery. How long would she have to play on her phone to use the entire battery?

Answers
1.
2. $\qquad$
3.
4. $\qquad$
5. $\qquad$
6. $\qquad$
7. $\qquad$
8. $\qquad$
9. $\qquad$
10. $\qquad$

## Solve each problem.

1) A bag of grass seeds weighed $1 / 2$ of a kilogram. That was enough to cover $1 / 3$ of a front lawn with seed. How many bags would it take to completely cover a lawn?
2) A dejuicer was able to squeeze a pint of juice from $1 / 2$ bag of oranges. This amount of juice filled up $\frac{1}{3}$ of a jug. At this rate, how many bags will it take to fill the entire jug?
3) A basket of lemons weighed $1 / 2$ of a pound and could make a cup of lemonaide that was $1 / 3$ full. How many baskets of lemons would you need to fill up the entire cup?
4) A pencil making machine took $1 / 2$ of a second to make enough pencils to fill $\frac{1}{3}$ of a box. At this rate, how long would it take the machine to fill the entire box?
5) A carpenter used $1 / 2$ of a box of nails while working on a birdhouse and was able to finish $1 / 3$ of it. At this rate, how many boxes will he need to finish the entire birdhouse?
6) Amy was using a container to fill up a fishbowl. The container held $\frac{1}{2}$ of a gallon of water and filled $1 / 3$ of the fishbowl. At this rate, how many containers will it take to fill the fishbowl?
7) A water hose had filled up $\frac{1}{3}$ of a pool after $\frac{1}{2}$ of an hour. At this rate, how many hours would it take to fill the pool?
8) An old potato outputs $1 / 2$ of a volt of electricty, which is $1 / 3$ the amount of power needed for a small lightbulb. How many potatoes would you need to power the lightbulb?
9) It takes a baker $1 / 2$ of an hour to make enough cookies to fill $\frac{1}{3}$ of large box. How long would it take him to fill the whole box?
10) Lana spent $\frac{1}{2}$ of an hour playing on her phone. That used up $\frac{1}{3}$ of her battery. How long would she have to play on her phone to use the entire battery?

Answers

1. $\qquad$
2. $\qquad$ bags
3. $\qquad$
4. $\qquad$
5. $\qquad$
6. $\qquad$
7. $1 \frac{1}{2}$ hours
8. $\qquad$
9. $\qquad$
10. $\qquad$

## Solve each problem.

1) A pencil making machine took $1 / 2$ of a second to make enough pencils to fill $1 / 3$ of a box. At this rate, how long would it take the machine to fill the entire box?
2) A chef used $1 / 2$ of a bag of potatoes to make $1 / 3$ of a gallon of stew. If he wanted to make a full gallon of stew how many bags of potatoes would he need?
3) A small can of paint was $1 / 2$ of a liter. That was enough to fill $\frac{1}{3}$ of a paint sprayer. How many cans of paint would it take to completely fill the sprayer?
4) A snail going full speed was taking $1 / 2$ of a minute to move $1 / 3$ of a centimeter. At this rate, how long would it take the snail to travel a centimeter?
5) A water hose had filled up $1 / 3$ of a pool after $1 / 2$ of an hour. At this rate, how many hours would it take to fill the pool?
6) A basket of lemons weighed $1 / 2$ of a pound and could make a cup of lemonaide that was $1 / 3$ full. How many baskets of lemons would you need to fill up the entire cup?
7) A water hose had filled up $\frac{1}{3}$ of a pool after $\frac{1}{2}$ of an hour. At this rate, how many hours would it take to fill the pool?
8) An old potato outputs $1 / 2$ of a volt of electricty, which is $1 / 3$ the amount of power needed for a small lightbulb. How many potatoes would you need to power the lightbulb?
9) A bag of chocolate mix that weighed $\frac{1}{2}$ of a kilogram could make enough brownies to feed $1 / 3$ of the students at school. How many bags would be needed to feed all of the students?
10) Haley spent $\frac{1}{2}$ of an hour playing on her phone. That used up $\frac{1}{3}$ of her battery. How long would she have to play on her phone to use the entire battery?

Answers
1.
2. $\qquad$
3.
4. $\qquad$
5. $\qquad$
6. $\qquad$
7. $\qquad$
8. $\qquad$
9. $\qquad$
10. $\qquad$
0.

## Solve each problem.

1) A pencil making machine took $1 / 2$ of a second to make enough pencils to fill $1 / 3$ of a box. At this rate, how long would it take the machine to fill the entire box?
2) A chef used $1 / 2$ of a bag of potatoes to make $1 / 3$ of a gallon of stew. If he wanted to make a full gallon of stew how many bags of potatoes would he need?
3) A small can of paint was $1 / 2$ of a liter. That was enough to fill $\frac{1}{3}$ of a paint sprayer. How many cans of paint would it take to completely fill the sprayer?
4) A snail going full speed was taking $1 / 2$ of a minute to move $\frac{1}{3}$ of a centimeter. At this rate, how long would it take the snail to travel a centimeter?
5) A water hose had filled up $\frac{1}{3}$ of a pool after $\frac{1}{2}$ of an hour. At this rate, how many hours would it take to fill the pool?
6) A basket of lemons weighed $\frac{1}{2}$ of a pound and could make a cup of lemonaide that was $1 / 3$ full. How many baskets of lemons would you need to fill up the entire cup?
7) A water hose had filled up $\frac{1}{3}$ of a pool after $\frac{1}{2}$ of an hour. At this rate, how many hours would it take to fill the pool?
8) An old potato outputs $1 / 2$ of a volt of electricty, which is $1 / 3$ the amount of power needed for a small lightbulb. How many potatoes would you need to power the lightbulb?
9) A bag of chocolate mix that weighed $\frac{1}{2}$ of a kilogram could make enough brownies to feed $1 / 3$ of the students at school. How many bags would be needed to feed all of the students?
10) Haley spent $1 / 2$ of an hour playing on her phone. That used up $\frac{1}{3}$ of her battery. How long would she have to play on her phone to use the entire battery?

Answers

1. $1 \frac{1}{2}$ seconds
2. $\qquad$
3. $\qquad$
$1 / 2$ minutes
4. $\qquad$
5. $\qquad$
6. $\qquad$
7. $\qquad$
8. $\qquad$
9. $\qquad$
$1 / 2$ hours
10. $\qquad$

## Solve each problem.

1) It takes a baker $1 / 2$ of an hour to make enough cookies to fill $\frac{1}{3}$ of large box. How long would it take him to fill the whole box?
2) A water hose had filled up $\frac{1}{3}$ of a pool after $1 / 2$ of an hour. At this rate, how many hours would it take to fill the pool?
3) Faye spent $1 / 2$ of an hour playing on her phone. That used up $\frac{1}{3}$ of her battery. How long would she have to play on her phone to use the entire battery?
4) An old potato outputs $1 / 2$ of a volt of electricty, which is $1 / 3$ the amount of power needed for a small lightbulb. How many potatoes would you need to power the lightbulb?
5) A bag of chocolate mix that weighed $\frac{1}{2}$ of a kilogram could make enough brownies to feed $1 / 3$ of the students at school. How many bags would be needed to feed all of the students?
6) A container of gasoline that held $1 / 2$ of a liter could fill up $\frac{1}{3}$ of a motorcycle gas tank. How many containers would you need to fill up the gas tank entirely?
7) A snail going full speed was taking $1 / 2$ of a minute to move $\frac{1}{3}$ of a centimeter. At this rate, how long would it take the snail to travel a centimeter?
8) While exercising Billy walked $1 / 2$ of a mile in $1 / 3$ of an hour. At this rate, how far will he have travelled after an hour?
9) A bag of grass seeds weighed $1 / 2$ of a kilogram. That was enough to cover $1 / 3$ of a front lawn with seed. How many bags would it take to completely cover a lawn?
10) A restaurant took $1 / 2$ of an hour to use $1 / 3$ of a package of napkins. At this rate, how many hours would it take to use the entire package?

Answers

1. $\qquad$
2. $\qquad$
3. $\qquad$
4. $\qquad$
5. $\qquad$
6. $\qquad$
7. $\qquad$
8. $\qquad$
9. $\qquad$
10. $\qquad$

## Solve each problem.

1) It takes a baker $\frac{1}{2}$ of an hour to make enough cookies to fill $\frac{1}{3}$ of large box. How long would it take him to fill the whole box?
2) A water hose had filled up $1 / 3$ of a pool after $\frac{1}{2}$ of an hour. At this rate, how many hours would it take to fill the pool?
3) Faye spent $\frac{1}{2}$ of an hour playing on her phone. That used up $1 / 3$ of her battery. How long would she have to play on her phone to use the entire battery?
4) An old potato outputs $1 / 2$ of a volt of electricty, which is $1 / 3$ the amount of power needed for a small lightbulb. How many potatoes would you need to power the lightbulb?
5) A bag of chocolate mix that weighed $1 / 2$ of a kilogram could make enough brownies to feed $1 / 3$ of the students at school. How many bags would be needed to feed all of the students?
6) A container of gasoline that held $\frac{1}{2}$ of a liter could fill up $\frac{1}{3}$ of a motorcycle gas tank. How many containers would you need to fill up the gas tank entirely?
7) A snail going full speed was taking $1 / 2$ of a minute to move $\frac{1}{3}$ of a centimeter. At this rate, how long would it take the snail to travel a centimeter?
8) While exercising Billy walked $1 / 2$ of a mile in $1 / 3$ of an hour. At this rate, how far will he have travelled after an hour?
9) A bag of grass seeds weighed $1 / 2$ of a kilogram. That was enough to cover $1 / 3$ of a front lawn with seed. How many bags would it take to completely cover a lawn?
10) A restaurant took $1 / 2$ of an hour to use $1 / 3$ of a package of napkins. At this rate, how many hours would it take to use the entire package?

Answers

1. $1 / 2$ hours
2. $\qquad$ hours
3. $1 \frac{1}{2}$ hours
4. $\qquad$
5. $\qquad$
6. $\qquad$
7. 

| $1 \frac{1}{2}$ minutes |
| :---: |
| $1 / \frac{1}{2}$ miles |

9. $\qquad$
$1 / 2$ hours
10. $\qquad$

## Solve each problem.

1) A dejuicer was able to squeeze a pint of juice from $1 / 2$ bag of oranges. This amount of juice filled up $1 / 3$ of a jug. At this rate, how many bags will it take to fill the entire jug?
2) A water hose had filled up $1 / 3$ of a pool after $1 / 2$ of an hour. At this rate, how many hours would it take to fill the pool?
3) A restaurant took $1 / 2$ of an hour to use $1 / 3$ of a package of napkins. At this rate, how many hours would it take to use the entire package?
4) A container of gasoline that held $1 / 2$ of a liter could fill up $1 / 3$ of a motorcycle gas tank. How many containers would you need to fill up the gas tank entirely?
5) While exercising George walked $\frac{1}{2}$ of a mile in $1 / 3$ of an hour. At this rate, how far will he have travelled after an hour?
6) A discount bottle of perfume was $1 / 2$ of a liter. That was enough to fill $\frac{1}{3}$ of a jug. How many bottles of perfume would you need to fill the entire jug?
7) A chef used $1 / 2$ of a bag of potatoes to make $\frac{1}{3}$ of a gallon of stew. If he wanted to make a full gallon of stew how many bags of potatoes would he need?
8) Emily was using a container to fill up a fishbowl. The container held $1 / 2$ of a gallon of water and filled $1 / 3$ of the fishbowl. At this rate, how many containers will it take to fill the fishbowl?
9) A water hose had filled up $1 / 3$ of a pool after $1 / 2$ of an hour. At this rate, how many hours would it take to fill the pool?
10) A basket of lemons weighed $\frac{1}{2}$ of a pound and could make a cup of lemonaide that was $1 / 3$ full. How many baskets of lemons would you need to fill up the entire cup?

Answers
1.
2. $\qquad$
3.
4. $\qquad$
5. $\qquad$
6. $\qquad$
7. $\qquad$
8. $\qquad$
9. $\qquad$
10. $\qquad$
0.

## Solve each problem.

1) A dejuicer was able to squeeze a pint of juice from $1 / 2$ bag of oranges. This amount of juice filled up $\frac{1}{3}$ of a jug. At this rate, how many bags will it take to fill the entire jug?
2) A water hose had filled up $\frac{1}{3}$ of a pool after $1 / 2$ of an hour. At this rate, how many hours would it take to fill the pool?
3) A restaurant took $1 / 2$ of an hour to use $1 / 3$ of a package of napkins. At this rate, how many hours would it take to use the entire package?
4) A container of gasoline that held $1 / 2$ of a liter could fill up $1 / 3$ of a motorcycle gas tank. How many containers would you need to fill up the gas tank entirely?
5) While exercising George walked $1 / 2$ of a mile in $1 / 3$ of an hour. At this rate, how far will he have travelled after an hour?
6) A discount bottle of perfume was $\frac{1}{2}$ of a liter. That was enough to fill $1 / 3$ of a jug. How many bottles of perfume would you need to fill the entire jug?
7) A chef used $1 / 2$ of a bag of potatoes to make $1 / 3$ of a gallon of stew. If he wanted to make a full gallon of stew how many bags of potatoes would he need?
8) Emily was using a container to fill up a fishbowl. The container held $\frac{1}{2}$ of a gallon of water and filled $1 / 3$ of the fishbowl. At this rate, how many containers will it take to fill the fishbowl?
9) A water hose had filled up $1 / 3$ of a pool after $1 / 2$ of an hour. At this rate, how many hours would it take to fill the pool?
10) A basket of lemons weighed $\frac{1}{2}$ of a pound and could make a cup of lemonaide that was $1 / 3$ full. How many baskets of lemons would you need to fill up the entire cup?

Answers

1. $11 / 2$ bags
2. $\qquad$ hours
3. $1 \frac{1}{2}$ hours
4. $\qquad$ 3 containers
5. $\qquad$
6. $\qquad$
7. $\quad 1 / 2$ bags
8. $\qquad$
9. $\qquad$
10. $\qquad$

## Solve each problem.

1) A small can of paint was $1 / 2$ of a liter. That was enough to fill $1 / 3$ of a paint sprayer. How many cans of paint would it take to completely fill the sprayer?
2) While exercising Jerry walked $1 / 2$ of a mile in $1 / 3$ of an hour. At this rate, how far will he have travelled after an hour?
3) A bag of grass seeds weighed $1 / 2$ of a kilogram. That was enough to cover $1 / 3$ of a front lawn with seed. How many bags would it take to completely cover a lawn?
4) A discount bottle of perfume was $1 / 2$ of a liter. That was enough to fill $\frac{1}{3}$ of a jug. How many bottles of perfume would you need to fill the entire jug?
5) A snail going full speed was taking $1 / 2$ of a minute to move $1 / 3$ of a centimeter. At this rate, how long would it take the snail to travel a centimeter?
6) A bag of chocolate mix that weighed $\frac{1}{2}$ of a kilogram could make enough brownies to feed $1 / 3$ of the students at school. How many bags would be needed to feed all of the students?
7) A restaurant took $1 / 2$ of an hour to use $1 / 3$ of a package of napkins. At this rate, how many hours would it take to use the entire package?
8) Haley spent $1 / 2$ of an hour playing on her phone. That used up $1 / 3$ of her battery. How long would she have to play on her phone to use the entire battery?
9) A water hose had filled up $1 / 3$ of a pool after $1 / 2$ of an hour. At this rate, how many hours would it take to fill the pool?
10) An old potato outputs $1 / 2$ of a volt of electricty, which is $1 / 3$ the amount of power needed for a small lightbulb. How many potatoes would you need to power the lightbulb?

Answers

1. $\qquad$
2. $\qquad$
3. $\qquad$
4. $\qquad$
5. $\qquad$
6. $\qquad$
7. $\qquad$
8. $\qquad$
9. $\qquad$
10. $\qquad$

## Solve each problem.

1) A small can of paint was $\frac{1}{2}$ of a liter. That was enough to fill $\frac{1}{3}$ of a paint sprayer. How many cans of paint would it take to completely fill the sprayer?
2) While exercising Jerry walked $1 / 2$ of a mile in $1 / 3$ of an hour. At this rate, how far will he have travelled after an hour?
3) A bag of grass seeds weighed $1 / 2$ of a kilogram. That was enough to cover $1 / 3$ of a front lawn with seed. How many bags would it take to completely cover a lawn?
4) A discount bottle of perfume was $1 / 2$ of a liter. That was enough to fill $\frac{1}{3}$ of a jug. How many bottles of perfume would you need to fill the entire jug?
5) A snail going full speed was taking $1 / 2$ of a minute to move $1 / 3$ of a centimeter. At this rate, how long would it take the snail to travel a centimeter?
6) A bag of chocolate mix that weighed $\frac{1}{2}$ of a kilogram could make enough brownies to feed $1 / 3$ of the students at school. How many bags would be needed to feed all of the students?
7) A restaurant took $1 / 2$ of an hour to use $1 / 3$ of a package of napkins. At this rate, how many hours would it take to use the entire package?
8) Haley spent $1 / 2$ of an hour playing on her phone. That used up $1 / 3$ of her battery. How long would she have to play on her phone to use the entire battery?
9) A water hose had filled up $1 / 3$ of a pool after $1 / 2$ of an hour. At this rate, how many hours would it take to fill the pool?
10) An old potato outputs $1 / 2$ of a volt of electricty, which is $1 / 3$ the amount of power needed for a small lightbulb. How many potatoes would you need to power the lightbulb?

Answers

1. $\qquad$ $1 / 2$ miles
2. $\qquad$
3. $\qquad$
4. $\qquad$
5. $\qquad$
6. $\qquad$
7. $\qquad$
8. $\qquad$
9. $\qquad$
