



Solve each problem.

- 1) While exercising Adam walked  $\frac{1}{2}$  of a mile in  $\frac{1}{3}$  of an hour. At this rate, how far will he have travelled after an hour?
- 2) A chef used  $\frac{1}{2}$  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  $\frac{1}{2}$  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?
- 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  $\frac{1}{3}$  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 carpenter used  $\frac{1}{2}$  of a box of nails while working on a birdhouse and was able to finish  $\frac{1}{3}$  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  $\frac{1}{3}$  of the fishbowl. At this rate, how many containers will it take to fill the fishbowl?
- 8) A discount bottle of perfume was  $\frac{1}{2}$  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?
- 9) A dejuicer was able to squeeze a pint of juice from  $\frac{1}{2}$  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?
- 10) A basket of lemons weighed  $\frac{1}{2}$  of a pound and could make a cup of lemonade that was  $\frac{1}{3}$  full. How many baskets of lemons would you need to fill up the entire cup?

**Answers**

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Solve each problem.

- 1) While exercising Adam walked  $\frac{1}{2}$  of a mile in  $\frac{1}{3}$  of an hour. At this rate, how far will he have travelled after an hour?
- 2) A chef used  $\frac{1}{2}$  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  $\frac{1}{2}$  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?
- 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  $\frac{1}{3}$  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 carpenter used  $\frac{1}{2}$  of a box of nails while working on a birdhouse and was able to finish  $\frac{1}{3}$  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  $\frac{1}{3}$  of the fishbowl. At this rate, how many containers will it take to fill the fishbowl?
- 8) A discount bottle of perfume was  $\frac{1}{2}$  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?
- 9) A dejuicer was able to squeeze a pint of juice from  $\frac{1}{2}$  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?
- 10) A basket of lemons weighed  $\frac{1}{2}$  of a pound and could make a cup of lemonade that was  $\frac{1}{3}$  full. How many baskets of lemons would you need to fill up the entire cup?

**Answers**1.  **$1\frac{1}{2}$  miles**2.  **$1\frac{1}{2}$  bags**3.  **$1\frac{1}{2}$  hours**4. **3 containers**5.  **$1\frac{1}{2}$  hours**6.  **$1\frac{1}{2}$  boxes**7. **3 containers**8. **3 bottles**9.  **$1\frac{1}{2}$  bags**10. **3 baskets**



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  $\frac{1}{2}$  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) Maria 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?
- 4) 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?
- 5) A bag of grass seeds weighed  $\frac{1}{2}$  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?
- 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 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?
- 8) Debby was using a container to fill up a fishbowl. The container held  $\frac{1}{2}$  of a gallon of water and filled  $\frac{1}{3}$  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 lemonsade that was  $\frac{1}{3}$  full. How many baskets of lemons would you need to fill up the entire cup?
- 10) 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?

**Answers**

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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  $\frac{1}{2}$  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) Maria 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?
- 4) 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?
- 5) A bag of grass seeds weighed  $\frac{1}{2}$  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?
- 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 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?
- 8) Debby was using a container to fill up a fishbowl. The container held  $\frac{1}{2}$  of a gallon of water and filled  $\frac{1}{3}$  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 lemonsade that was  $\frac{1}{3}$  full. How many baskets of lemons would you need to fill up the entire cup?
- 10) 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?

**Answers**1.  **$1\frac{1}{2}$  hours**2.  **$1\frac{1}{2}$  bags**3.  **$1\frac{1}{2}$  hours**4.  **$1\frac{1}{2}$  minutes**5. **3 bags**6. **3 containers**7. **3 bags**8. **3 containers**9. **3 baskets**10. **3 bottles**



Solve each problem.

- 1) An old potato outputs  $\frac{1}{2}$  of a volt of electricity, which is  $\frac{1}{3}$  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  $\frac{1}{2}$  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  $\frac{1}{2}$  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?
- 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  $\frac{1}{2}$  of a pound and could make a cup of lemonade that was  $\frac{1}{3}$  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  $\frac{1}{2}$  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?
- 8) 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?
- 9) Carol was using a container to fill up a fishbowl. The container held  $\frac{1}{2}$  of a gallon of water and filled  $\frac{1}{3}$  of the fishbowl. At this rate, how many containers will it take to fill the fishbowl?
- 10) Nancy 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**

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8. \_\_\_\_\_
9. \_\_\_\_\_
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Solve each problem.

- 1) An old potato outputs  $\frac{1}{2}$  of a volt of electricity, which is  $\frac{1}{3}$  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  $\frac{1}{2}$  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  $\frac{1}{2}$  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?
- 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  $\frac{1}{2}$  of a pound and could make a cup of lemonade that was  $\frac{1}{3}$  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  $\frac{1}{2}$  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?
- 8) 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?
- 9) Carol was using a container to fill up a fishbowl. The container held  $\frac{1}{2}$  of a gallon of water and filled  $\frac{1}{3}$  of the fishbowl. At this rate, how many containers will it take to fill the fishbowl?
- 10) Nancy 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. **3 potatoes**2. **3 bags**3. **3 cans**4.  **$1\frac{1}{2}$  hours**5. **3 baskets**6. **3 bottles**7.  **$1\frac{1}{2}$  bags**8.  **$1\frac{1}{2}$  hours**9. **3 containers**10.  **$1\frac{1}{2}$  hours**



Solve each problem.

Answers

- 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  $\frac{1}{2}$  of a mile in  $\frac{1}{3}$  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 lemonade that was  $\frac{1}{3}$  full. How many baskets of lemons would you need to fill up the entire cup?
- 5) A pencil making machine took  $\frac{1}{2}$  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  $\frac{1}{2}$  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 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  $\frac{1}{2}$  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?
- 9) A chef used  $\frac{1}{2}$  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?
- 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?

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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  $\frac{1}{2}$  of a mile in  $\frac{1}{3}$  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 lemonsade that was  $\frac{1}{3}$  full. How many baskets of lemons would you need to fill up the entire cup?
- 5) A pencil making machine took  $\frac{1}{2}$  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  $\frac{1}{2}$  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 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  $\frac{1}{2}$  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?
- 9) A chef used  $\frac{1}{2}$  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?
- 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. **3 bottles**
2.  **$1\frac{1}{2}$  miles**
3. **3 bags**
4. **3 baskets**
5.  **$1\frac{1}{2}$  seconds**
6. **3 containers**
7.  **$1\frac{1}{2}$  hours**
8. **3 bags**
9.  **$1\frac{1}{2}$  bags**
10.  **$1\frac{1}{2}$  minutes**



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

- 1) 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?
- 2) A basket of lemons weighed  $\frac{1}{2}$  of a pound and could make a cup of lemonade that was  $\frac{1}{3}$  full. How many baskets of lemons would you need to fill up the entire cup?
- 3) Nancy 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?
- 4) Paige was using a container to fill up a fishbowl. The container held  $\frac{1}{2}$  of a gallon of water and filled  $\frac{1}{3}$  of the fishbowl. At this rate, how many containers will it take to fill the fishbowl?
- 5) A carpenter used  $\frac{1}{2}$  of a box of nails while working on a birdhouse and was able to finish  $\frac{1}{3}$  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  $\frac{1}{3}$  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  $\frac{1}{2}$  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?
- 9) 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?
- 10) A bag of grass seeds weighed  $\frac{1}{2}$  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?

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Solve each problem.

- 1) 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?
- 2) A basket of lemons weighed  $\frac{1}{2}$  of a pound and could make a cup of lemonade that was  $\frac{1}{3}$  full. How many baskets of lemons would you need to fill up the entire cup?
- 3) Nancy 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?
- 4) Paige was using a container to fill up a fishbowl. The container held  $\frac{1}{2}$  of a gallon of water and filled  $\frac{1}{3}$  of the fishbowl. At this rate, how many containers will it take to fill the fishbowl?
- 5) A carpenter used  $\frac{1}{2}$  of a box of nails while working on a birdhouse and was able to finish  $\frac{1}{3}$  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  $\frac{1}{3}$  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 juicer was able to squeeze a pint of juice from  $\frac{1}{2}$  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?
- 9) 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?
- 10) A bag of grass seeds weighed  $\frac{1}{2}$  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. **3 bags**
2. **3 baskets**
3.  **$1\frac{1}{2}$  hours**
4. **3 containers**
5.  **$1\frac{1}{2}$  boxes**
6.  **$1\frac{1}{2}$  hours**
7.  **$1\frac{1}{2}$  hours**
8.  **$1\frac{1}{2}$  bags**
9.  **$1\frac{1}{2}$  minutes**
10. **3 bags**

**Solve each problem.**

- 1) A bag of grass seeds weighed  $\frac{1}{2}$  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?
- 2) A dejuicer was able to squeeze a pint of juice from  $\frac{1}{2}$  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  $\frac{1}{2}$  of a pound and could make a cup of lemonsade that was  $\frac{1}{3}$  full. How many baskets of lemons would you need to fill up the entire cup?
- 4) A pencil making machine took  $\frac{1}{2}$  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  $\frac{1}{2}$  of a box of nails while working on a birdhouse and was able to finish  $\frac{1}{3}$  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  $\frac{1}{3}$  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  $\frac{1}{2}$  of a volt of electricity, which is  $\frac{1}{3}$  the amount of power needed for a small lightbulb. How many potatoes would you need to power the lightbulb?
- 9) It takes a baker  $\frac{1}{2}$  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?
- 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**

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2. \_\_\_\_\_
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Solve each problem.

- 1) A bag of grass seeds weighed  $\frac{1}{2}$  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?
- 2) A dejuicer was able to squeeze a pint of juice from  $\frac{1}{2}$  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  $\frac{1}{2}$  of a pound and could make a cup of lemonsade that was  $\frac{1}{3}$  full. How many baskets of lemons would you need to fill up the entire cup?
- 4) A pencil making machine took  $\frac{1}{2}$  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  $\frac{1}{2}$  of a box of nails while working on a birdhouse and was able to finish  $\frac{1}{3}$  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  $\frac{1}{3}$  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  $\frac{1}{2}$  of a volt of electricity, which is  $\frac{1}{3}$  the amount of power needed for a small lightbulb. How many potatoes would you need to power the lightbulb?
- 9) It takes a baker  $\frac{1}{2}$  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?
- 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. **3 bags**
2.  **$1\frac{1}{2}$  bags**
3. **3 baskets**
4.  **$1\frac{1}{2}$  seconds**
5.  **$1\frac{1}{2}$  boxes**
6. **3 containers**
7.  **$1\frac{1}{2}$  hours**
8. **3 potatoes**
9.  **$1\frac{1}{2}$  hours**
10.  **$1\frac{1}{2}$  hours**



Solve each problem.

- 1) A pencil making machine took  $\frac{1}{2}$  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?
- 2) A chef used  $\frac{1}{2}$  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) 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?
- 4) 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?
- 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 lemonade that was  $\frac{1}{3}$  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  $\frac{1}{2}$  of a volt of electricity, which is  $\frac{1}{3}$  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  $\frac{1}{3}$  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. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_



Solve each problem.

- 1) A pencil making machine took  $\frac{1}{2}$  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?
- 2) A chef used  $\frac{1}{2}$  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) 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?
- 4) 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?
- 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 lemonade that was  $\frac{1}{3}$  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  $\frac{1}{2}$  of a volt of electricity, which is  $\frac{1}{3}$  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  $\frac{1}{3}$  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.  **$1\frac{1}{2}$  seconds**

2.  **$1\frac{1}{2}$  bags**

3. **3 cans**

4.  **$1\frac{1}{2}$  minutes**

5.  **$1\frac{1}{2}$  hours**

6. **3 baskets**

7.  **$1\frac{1}{2}$  hours**

8. **3 potatoes**

9. **3 bags**

10.  **$1\frac{1}{2}$  hours**

**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  $\frac{1}{3}$  of a pool after  $\frac{1}{2}$  of an hour. At this rate, how many hours would it take to fill the pool?
- 3) Faye 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?
- 4) An old potato outputs  $\frac{1}{2}$  of a volt of electricy, which is  $\frac{1}{3}$  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  $\frac{1}{3}$  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  $\frac{1}{2}$  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?
- 8) While exercising Billy walked  $\frac{1}{2}$  of a mile in  $\frac{1}{3}$  of an hour. At this rate, how far will he have travelled after an hour?
- 9) A bag of grass seeds weighed  $\frac{1}{2}$  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?
- 10) A restaurant took  $\frac{1}{2}$  of an hour to use  $\frac{1}{3}$  of a package of napkins. At this rate, how many hours would it take to use the entire package?

**Answers**

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



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  $\frac{1}{3}$  of a pool after  $\frac{1}{2}$  of an hour. At this rate, how many hours would it take to fill the pool?
- 3) Faye 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?
- 4) An old potato outputs  $\frac{1}{2}$  of a volt of electricy, which is  $\frac{1}{3}$  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  $\frac{1}{3}$  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  $\frac{1}{2}$  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?
- 8) While exercising Billy walked  $\frac{1}{2}$  of a mile in  $\frac{1}{3}$  of an hour. At this rate, how far will he have travelled after an hour?
- 9) A bag of grass seeds weighed  $\frac{1}{2}$  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?
- 10) A restaurant took  $\frac{1}{2}$  of an hour to use  $\frac{1}{3}$  of a package of napkins. At this rate, how many hours would it take to use the entire package?

**Answers**1.  **$1\frac{1}{2}$  hours**2.  **$1\frac{1}{2}$  hours**3.  **$1\frac{1}{2}$  hours**4. **3 potatoes**5. **3 bags**6. **3 containers**7.  **$1\frac{1}{2}$  minutes**8.  **$1\frac{1}{2}$  miles**9. **3 bags**10.  **$1\frac{1}{2}$  hours**





Solve each problem.

**Answers**

- 1) A dejuicer was able to squeeze a pint of juice from  $\frac{1}{2}$  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  $\frac{1}{2}$  of an hour. At this rate, how many hours would it take to fill the pool?
- 3) A restaurant took  $\frac{1}{2}$  of an hour to use  $\frac{1}{3}$  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  $\frac{1}{2}$  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) While exercising George walked  $\frac{1}{2}$  of a mile in  $\frac{1}{3}$  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  $\frac{1}{3}$  of a jug. How many bottles of perfume would you need to fill the entire jug?
- 7) A chef used  $\frac{1}{2}$  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  $\frac{1}{2}$  of a gallon of water and filled  $\frac{1}{3}$  of the fishbowl. At this rate, how many containers will it take to fill the fishbowl?
- 9) A water hose had filled up  $\frac{1}{3}$  of a pool after  $\frac{1}{2}$  of an hour. At this rate, how many hours would it take to fill the pool?
- 10) A basket of lemons weighed  $\frac{1}{2}$  of a pound and could make a cup of lemonade that was  $\frac{1}{3}$  full. How many baskets of lemons would you need to fill up the entire cup?

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



Solve each problem.

- 1) A dejuicer was able to squeeze a pint of juice from  $\frac{1}{2}$  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  $\frac{1}{2}$  of an hour. At this rate, how many hours would it take to fill the pool?
- 3) A restaurant took  $\frac{1}{2}$  of an hour to use  $\frac{1}{3}$  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  $\frac{1}{2}$  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) While exercising George walked  $\frac{1}{2}$  of a mile in  $\frac{1}{3}$  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  $\frac{1}{3}$  of a jug. How many bottles of perfume would you need to fill the entire jug?
- 7) A chef used  $\frac{1}{2}$  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  $\frac{1}{2}$  of a gallon of water and filled  $\frac{1}{3}$  of the fishbowl. At this rate, how many containers will it take to fill the fishbowl?
- 9) A water hose had filled up  $\frac{1}{3}$  of a pool after  $\frac{1}{2}$  of an hour. At this rate, how many hours would it take to fill the pool?
- 10) A basket of lemons weighed  $\frac{1}{2}$  of a pound and could make a cup of lemonade that was  $\frac{1}{3}$  full. How many baskets of lemons would you need to fill up the entire cup?

**Answers**

1.  **$1\frac{1}{2}$  bags**
2.  **$1\frac{1}{2}$  hours**
3.  **$1\frac{1}{2}$  hours**
4. **3 containers**
5.  **$1\frac{1}{2}$  miles**
6. **3 bottles**
7.  **$1\frac{1}{2}$  bags**
8. **3 containers**
9.  **$1\frac{1}{2}$  hours**
10. **3 baskets**



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  $\frac{1}{2}$  of a mile in  $\frac{1}{3}$  of an hour. At this rate, how far will he have travelled after an hour?
- 3) A bag of grass seeds weighed  $\frac{1}{2}$  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?
- 4) 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?
- 5) 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?
- 6) 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?
- 7) A restaurant took  $\frac{1}{2}$  of an hour to use  $\frac{1}{3}$  of a package of napkins. At this rate, how many hours would it take to use the entire package?
- 8) 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?
- 9) 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?
- 10) An old potato outputs  $\frac{1}{2}$  of a volt of electricity, which is  $\frac{1}{3}$  the amount of power needed for a small lightbulb. How many potatoes would you need to power the lightbulb?

**Answers**

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



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  $\frac{1}{2}$  of a mile in  $\frac{1}{3}$  of an hour. At this rate, how far will he have travelled after an hour?
- 3) A bag of grass seeds weighed  $\frac{1}{2}$  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?
- 4) 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?
- 5) 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?
- 6) 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?
- 7) A restaurant took  $\frac{1}{2}$  of an hour to use  $\frac{1}{3}$  of a package of napkins. At this rate, how many hours would it take to use the entire package?
- 8) 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?
- 9) 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?
- 10) An old potato outputs  $\frac{1}{2}$  of a volt of electricity, which is  $\frac{1}{3}$  the amount of power needed for a small lightbulb. How many potatoes would you need to power the lightbulb?

**Answers**

1. **3 cans**
2.  **$1\frac{1}{2}$  miles**
3. **3 bags**
4. **3 bottles**
5.  **$1\frac{1}{2}$  minutes**
6. **3 bags**
7.  **$1\frac{1}{2}$  hours**
8.  **$1\frac{1}{2}$  hours**
9.  **$1\frac{1}{2}$  hours**
10. **3 potatoes**