Name:

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 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 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 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?

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 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?

7) 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?

8) 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?

9) 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?

10) 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?

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

Math

Name:

Solve each problem.

Answers

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?

1. **3 potatoes**

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?

2. **1 $1/2$ hours**

3. **3 bags**

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. **1 $1/2$ bags**

5. **3 bags**

4) 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?

6. **1 $1/2$ bags**

7. **3 cans**

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?

8. **1 $1/2$ hours**

9. **3 bottles**

6) 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. **1 $1/2$ seconds**

7) 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?

8) 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?

9) 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?

10) 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?