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. $\qquad$

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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. $\qquad$
