## 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 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 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) While exercising Mike walked $1 / 2$ of a mile in $1 / 3$ of an hour. At this rate, how far will he have travelled after an hour?
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 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?
7) 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?
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 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?
10) 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?

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 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 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 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?
4) While exercising Mike walked $1 / 2$ of a mile in $\frac{1}{3}$ of an hour. At this rate, how far will he have travelled after an hour?
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 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?
7) 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?
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 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?
10) 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?

Answers

1. $1 / 2$ seconds
2. $\qquad$
3. $\qquad$
4. 

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

