



Solve each problem.

Answers

- 1) 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?
- 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) Paige 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 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 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) 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?
- 8) 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?
- 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) 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?

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

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Answers

1. **$1\frac{1}{2}$ hours**
2. **$1\frac{1}{2}$ hours**
3. **$1\frac{1}{2}$ hours**
4. **3 bottles**
5. **$1\frac{1}{2}$ hours**
6. **$1\frac{1}{2}$ boxes**
7. **3 cans**
8. **$1\frac{1}{2}$ seconds**
9. **3 containers**
10. **3 containers**