

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

- 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) 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?
- 4) 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?
- 5) 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?
- 6) 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?
- 7) 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?
- 8) While exercising Sam 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 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?
- 10) Gwen 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?

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

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Answers1. **$1\frac{1}{2}$ hours**2. **$1\frac{1}{2}$ bags**3. **$1\frac{1}{2}$ boxes**4. **3 bags**5. **3 potatoes**6. **$1\frac{1}{2}$ hours**7. **$1\frac{1}{2}$ hours**8. **$1\frac{1}{2}$ miles**9. **3 bottles**10. **3 containers**