



Solve each problem.

**Answers**

- 1) 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?
- 2) 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?
- 3) 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?
- 4) A bag of chocolate mix that weighed  $\frac{1}{2}$  of a kilogram could make enough brownies to feed  $\frac{1}{3}$  of the students at school. How many bags would be needed to feed all of the students?
- 5) 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?
- 6) 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?
- 7) 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?
- 8) 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?
- 9) A basket of lemons weighed  $\frac{1}{2}$  of a pound and could make a cup of lemonade that was  $\frac{1}{3}$  full. How many baskets of lemons would you need to fill up the entire cup?
- 10) While exercising Luke 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?

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_

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**Answers**

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