



Solve each problem.

- 1) While exercising Adam 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?
- 2) A chef used  $\frac{1}{2}$  of a bag of potatoes to make  $\frac{1}{3}$  of a gallon of stew. If he wanted to make a full gallon of stew how many bags of potatoes would he need?
- 3) Rachel 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 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?
- 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) Lana 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?
- 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 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?
- 10) 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?

**Answers**

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



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