

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

- 1) 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?
- 2) Emily 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?
- 3) 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?
- 4) 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?
- 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) 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?
- 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 snail going full speed was taking  $\frac{1}{2}$  of a minute to move  $\frac{1}{3}$  of a centimeter. At this rate, how long would it take the snail to travel a centimeter?
- 9) Isabel 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 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?

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

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**Answers**

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