

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

- 1) An ice machine used 3 gallons of water after running non-stop for 7 hours. How many gallons of water did it use each hour?
- 2) It took a pet store 8 weeks to sell 48 cats. What is the rate sold per week?
- 3) A carpenter used 3 boxes of nails to build 10 bird houses. He used ____ of a box on each bird house.
- 4) A computer programmer worked for 5 hours and earned \$20, which is a rate of \$____ per hour.
- 5) We paid \$35 for 5 hamburgers, which is a rate of \$____ per hamburger.
- 6) Henry spent 5 days collecting cans and he managed to collect 2 pounds. He collected ____ of a pound each day.
- 7) A baker used 2 cups of flour to make 9 batches of brownies. He used ____ of a cup of flour to make 1 batch of brownies.
- 8) A restaurant went through 9 boxes of plastic forks over 10 months. They used ____ of a box every month.
- 9) An industrial machine is able to make 63 pens in 9 seconds. What is the rate made per second?
- 10) A machine worked for 3 hours and used 2 kilowatts of electricity. The machine used ____ of a kilowatt each hour it worked.
- 11) A bouquet had 3 flowers and sold for \$27, which is a rate of \$____ per flower.
- 12) A candy company used 20 gallons of syrup to make 4 batches of candy. What is the rate of syrup per batch?
- 13) George earned \$9 for mowing 3 lawns. What is the rate earned per lawn mowed?
- 14) A pencil company used 40 grams of rubber to make 8 pencils, which is a rate of ____ grams per pencil.
- 15) During the lunch rush a fast food joint sold 8 sodas and earned \$40, which is a rate of ____ dollars per soda.

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____



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Answers

1. $\frac{3}{7}$
2. **6**
3. $\frac{3}{10}$
4. **4**
5. **7**
6. $\frac{2}{5}$
7. $\frac{2}{9}$
8. $\frac{9}{10}$
9. **7**
10. $\frac{2}{3}$
11. **9**
12. **5**
13. **3**
14. **5**
15. **5**