

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

- 1) An industrial machine is able to make 16 pens in 8 seconds. What is the rate made per second?
- 2) A scientist used 6 gallons of liquid for every 9 hours he works. He uses ____ of a gallon each hour he works.
- 3) A baker used 3 cups of flour to make 7 batches of brownies. He used ____ of a cup of flour to make 1 batch of brownies.
- 4) We paid \$16 for 8 hamburgers, which is a rate of \$____ per hamburger.
- 5) A gardener used 2 kilograms of fertilizer over the course of 8 weeks. How much fertilizer did they use each week?
- 6) A pencil company used 45 grams of rubber to make 9 pencils, which is a rate of ____ grams per pencil.
- 7) A restaurant went through 5 boxes of plastic forks over 7 months. They used ____ of a box every month.
- 8) During the lunch rush a fast food joint sold 3 sodas and earned \$27, which is a rate of ____ dollars per soda.
- 9) A candy company used 30 gallons of syrup to make 5 batches of candy. What is the rate of syrup per batch?
- 10) A lumber company had 7 bundles of wood (35 pieces total). What is the rate of pieces per bundle?
- 11) A toy company used 18 pints of plastic to make 3 action figures, which is a rate of ____ pints per figure.
- 12) A carpenter installed 24 sheets of drywall in 4 minutes. What is the rate per minute?
- 13) A fair owner made 10 dollars when a group of 2 people entered, which is a rate of ____ dollar per person.
- 14) A forklift operator moved 90 pallets in 10 hours. What is the rate moved per hour?
- 15) A computer programmer worked for 7 hours and earned \$70, which is a rate of \$____ per hour.

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

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