Using Rate Language

Solve each problem.

1) A recipe had 4 tablespoons of seasoning to 9 cups of flour. So there is ____ of a tablespoon of seasoning for each cup of flour.

2) A carpenter used 2 boxes of nails to build 5 bird houses. He used ____ of a box on each bird house.

3) A toy company used 18 pints of plastic to make 2 action figures, which is a rate of ____ pints per figure.

4) A movie theater went through 2 pounds of popcorn every 3 hours. They went through ____ of a pound every hour.

5) A pencil company used 12 grams of rubber to make 2 pencils, which is a rate of ____ grams per pencil.

6) An experienced carpenter could build a house in 7 days. How much would he have finished if he worked for 6 days?

7) A carpenter installed 63 sheets of drywall in 7 minutes. What is the rate per minute?

8) A computer programmer worked for 7 hours and earned $42, which is a rate of $$___$$ per hour.

9) During the lunch rush a fast food joint sold 6 sodas and earned $30, which is a rate of ____ dollars per soda.

10) A gardener used 5 kilograms of fertilizer over the course of 6 weeks. How much fertilizer did they use each week?

11) It took a pet store 4 weeks to sell 8 cats. What is the rate sold per week?

12) Paige earned 6 points for every 9 books she read. So if she read only 1 book she would have earned ____ of a point.

13) A printer took 8 minutes to print 40 pages. What is the rate of pages per minute?

14) A baker used 8 cups of flour to make 10 batches of brownies. He used ____ of a cup of flour to make 1 batch of brownies.

15) A scientist used 5 gallons of liquid for every 6 hours he works. He uses ____ of a gallon each hour he works.
Solve each problem.

1) A recipe had 4 tablespoons of seasoning to 9 cups of flour. So there is \( \frac{4}{9} \) of a tablespoon of seasoning for each cup of flour.

2) A carpenter used 2 boxes of nails to build 5 bird houses. He used \( \frac{2}{5} \) of a box on each bird house.

3) A toy company used 18 pints of plastic to make 2 action figures, which is a rate of 9 pints per figure.

4) A movie theater went through 2 pounds of popcorn every 3 hours. They went through \( \frac{2}{3} \) of a pound every hour.

5) A pencil company used 12 grams of rubber to make 2 pencils, which is a rate of \( \frac{6}{7} \) grams per pencil.

6) An experienced carpenter could build a house in 7 days. How much would he have finished if he worked for 6 days?

7) A carpenter installed 63 sheets of drywall in 7 minutes. What is the rate per minute?

8) A computer programmer worked for 7 hours and earned $42, which is a rate of $\frac{5}{6}$ per hour.

9) During the lunch rush a fast food joint sold 6 sodas and earned $30, which is a rate of $\frac{5}{6}$ dollars per soda.

10) A gardener used 5 kilograms of fertilizer over the course of 6 weeks. How much fertilizer did they use each week?

11) It took a pet store 4 weeks to sell 8 cats. What is the rate sold per week?

12) Paige earned 6 points for every 9 books she read. So if she read only 1 book she would have earned \( \frac{2}{3} \) of a point.

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14) A baker used 8 cups of flour to make 10 batches of brownies. He used \( \frac{4}{5} \) of a cup of flour to make 1 batch of brownies.

15) A scientist used 5 gallons of liquid for every 6 hours he works. He uses \( \frac{5}{6} \) of a gallon each hour he works.