

**Solve each problem. Include as many decimal places as possible.****Answers**

- 1) A typical business card is 0 mm thick. If a company ordered 10,000 business cards and placed them all into a single stack how tall would the stack be (in mm)?
- 2) A candy store in the mall orders 100 boxes of candy a month. Each box of candy weighs 38.1 grams. What is the total weight (in grams) of the candy the store orders?
- 3) An orchard owner is buying 5.39 acres of land to plant more trees. He figures he will plant 1,000 trees per acre. How many trees will he plant on his new land?
- 4) Jerry has put 1,000 hours into playing an online video game. He has paid \$874.35 over the course of the entire game. How much did he pay per hour played?
- 5) A fair food booth was having a sell on burger combos. Each combo cost \$7.57. If they estimate they will sell 100 combos over the course of the fair, how much money will they make?
- 6) An electrician paid \$12.30 total for 100 feet of wire. How much does he pay per foot of wire?
- 7) A toy company paid \$82,941.45 for a 30 second TV ad. Later they learned that an estimated 10,000 children had viewed the ad. How much money did they pay per viewer?
- 8) A ticket to the carnival cost \$2.20. If there is going to be an estimated 10,000 people attending the carnival, how much money will be made in ticket sales?
- 9) A round trip from Katie's house to the grocery store is 3.30 miles. Katie estimates since she moved into her house she has gone 100 times. How many miles would that mean Katie has travelled?
- 10) A spoonful of ice cream contains 0 mg of iron. How much iron would you consume if you ate 10 spoonfuls?
- 11) An internet company offers internet service with a cap of 100 gb for \$9.54 per month. What is the price per gb?
- 12) Sam's water bill this month was \$18.49. Looking at the water bill, it says he used exactly 10,000 gallons of water. How much does he pay per gallon of water used?

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

**Solve each problem. Include as many decimal places as possible.**

- 1) A typical business card is 0 mm thick. If a company ordered 10,000 business cards and placed them all into a single stack how tall would the stack be (in mm)?
- 2) A candy store in the mall orders 100 boxes of candy a month. Each box of candy weighs 38.1 grams. What is the total weight (in grams) of the candy the store orders?
- 3) An orchard owner is buying 5.39 acres of land to plant more trees. He figures he will plant 1,000 trees per acre. How many trees will he plant on his new land?
- 4) Jerry has put 1,000 hours into playing an online video game. He has paid \$874.35 over the course of the entire game. How much did he pay per hour played?
- 5) A fair food booth was having a sell on burger combos. Each combo cost \$7.57. If they estimate they will sell 100 combos over the course of the fair, how much money will they make?
- 6) An electrician paid \$12.30 total for 100 feet of wire. How much does he pay per foot of wire?
- 7) A toy company paid \$82,941.45 for a 30 second TV ad. Later they learned that an estimated 10,000 children had viewed the ad. How much money did they pay per viewer?
- 8) A ticket to the carnival cost \$2.20. If there is going to be an estimated 10,000 people attending the carnival, how much money will be made in ticket sales?
- 9) A round trip from Katie's house to the grocery store is 3.30 miles. Katie estimates since she moved into her house she has gone 100 times. How many miles would that mean Katie has travelled?
- 10) A spoonful of ice cream contains 0 mg of iron. How much iron would you consume if you ate 10 spoonfuls?
- 11) An internet company offers internet service with a cap of 100 gb for \$9.54 per month. What is the price per gb?
- 12) Sam's water bill this month was \$18.49. Looking at the water bill, it says he used exactly 10,000 gallons of water. How much does he pay per gallon of water used?

**Answers**

1. **2,860**
2. **3,810**
3. **5,390**
4. **0.87435**
5. **757**
6. **0.12298**
7. **8.294145**
8. **22,000**
9. **330**
10. **0.09**
11. **0.0954**
12. **0.001849**