Solving Decimal Word Problems with Power of Ten

Name:

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

1) A spoonful of ice cream contains 0.005 mg of iron. How much iron would you consume if you ate 10 spoonfuls?

2) A ticket to the carnival cost $2.40. If there is going to be an estimated 1,000 people attending the carnival, how much money will be made in ticket sales?

3) Nancy's mom decided to wallpaper the living room. At the store, the wallpaper was selling for $19.94 for a roll with 100 linear feet. What is the price per linear foot of the wallpaper?

4) A toy company paid $67,060.30 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?

5) An orchard owner is buying 7.47 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?

6) The cost to ship a single box across country is $13.13. If a company shipped 100 boxes over the course of a year, how much did they spend on shipping?

7) Gwen was looking on the internet for packing paper. She found a seller that was offering 100 linear feet of paper for $7.88. What is the price per linear foot?

8) Tom has put 100 hours into playing an online video game. He has paid $37.80 over the course of the entire game. How much did he pay per hour played?

9) A bag of 100 cherries weighs 68.90 ounces. How many ounces does each cherry weigh?

10) A round trip from Isabel's house to the grocery store is 9.00 miles. Isabel estimates since she moved into her house she has gone 100 times. How many miles would that mean Isabel has travelled?

11) An internet company offers internet service with a cap of 1,000 gb for $30.15 per month. What is the price per gb?

12) A candy store in the mall orders 100 boxes of candy a month. Each box of candy weighs 53.3 grams. What is the total weight (in grams) of the candy the store orders?

Answers

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

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Solving Decimal Word Problems with Power of Ten

Name: **Answer Key**

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

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Answers

1. **0.05**
2. **2,400**
3. **0.1994**
4. **6.70603**
5. **7,470**
6. **1,313**
7. **0.0788**
8. **0.378**
9. **0.689**
10. **900**
11. **0.03015**
12. **5,330**

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								