Solving Decimal Word Problems with Power of Ten

Name:

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

1) Nancy's mom decided to wallpaper the living room. At the store, the wallpaper was selling for $19.95 for a roll with 100 linear feet. What is the price per linear foot of the wallpaper?

2) A fair food booth was having a sell on burger combos. Each combo cost $8.75. If they estimate they will sell 100 combos over the course of the fair, how much money will they make?

3) A toy company paid $23,904.78 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?

4) A round trip from Robin's house to the grocery store is 5.80 miles. Robin estimates since she moved into her house she has gone 100 times. How many miles would that mean Robin has travelled?

5) A bag of 100 cherries weighs 105.00 ounces. How many ounces does each cherry weigh?

6) The cost to ship a single box across country is $13.01. If a company shipped 100 boxes over the course of a year, how much did they spend on shipping?

7) At the hardware store Debby bought a box with 1,000 nails and paid $30.06 total. What is the price per nail?

8) A candy store in the mall orders 1,000 boxes of candy a month. Each box of candy weighs 39.3 grams. What is the total weight (in grams) of the candy the store orders?

9) Sarah was looking on the internet for packing paper. She found a seller that was offering 1,000 linear feet of paper for $5.50. What is the price per linear foot?

10) An orchard owner is buying 6.02 acres of land to plant more trees. He figures he will plant 100 trees per acre. How many trees will he plant on his new land?

11) An internet company offers internet service with a cap of 100 gb for $8.16 per month. What is the price per gb?

12) A ticket to the carnival cost $7.50. If there is going to be an estimated 1,000 people attending the carnival, how much money will be made in ticket sales?

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. 0.1995
2. 875
3. 2.390478
4. 580
5. 1.05
6. 1,301
7. 0.03006
8. 39,300
9. 0.0055
10. 602
11. 0.0816
12. 7,500

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