Α	n	S	\mathbf{w}	e	r	S

- 1) A round trip from Emily's house to the grocery store is 6.60 miles. Emily estimates since she moved into her house she has gone 1,000 times. How many miles would that mean Emily has travelled?
- An orchard owner is buying 8.94 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?
- At the hardware store Faye bought a box with 1,000 nails and paid \$20.20 total. What is the price per nail?
- An electrician paid \$105.03 total for 1,000 feet of wire. How much does he pay per foot of wire?
- A bag of 100 cherries weighs 82.95 ounces. How many ounces does each cherry weigh?
- An internet company offers internet service with a cap of 1,000 gb for \$90.45 per month. What is the price per gb?
- Gwen's mom decided to wallpaper the living room. At the store, the wallpaper was selling for \$12.52 for a roll with 100 linear feet. What is the price per linear foot of the wallpaper?

- The cost to ship a single box across country is \$10.98. If a company shipped 100 boxes over the course of a year, how much did they spend on shipping?

- 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)?

- 10) A candy store in the mall orders 10,000 boxes of candy a month. Each box of candy
- weighs 45.2 grams. What is the total weight (in grams) of the candy the store orders?
- A spoonful of ice cream contains 0 mg of iron. How much iron would you consume if you ate 10 spoonfuls?
- A ticket to the carnival cost \$8.90. If there is going to be an estimated 10,000 people attending the carnival, how much money will be made in ticket sales?

Solve each problem. Include as many decimal places as possible.			
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<u>Answers</u>

- 89,000

Math



_	Solving Decimal Word Problems with Power of Ten Name:	
Solv	ve each problem. Include as many decimal places as possible.	<u>Answers</u>
1)	A round trip from Emily's house to the grocery store is 6.60 miles. Emily estimates since she moved into her house she has gone 1,000 times. How many miles would that mean Emily has travelled?	1
2)	An orchard owner is buying 8.94 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?	2
3)	At the hardware store Faye bought a box with 1,000 nails and paid \$20.20 total. What is	3 4.
	the price per nail?	5.
4)	An electrician paid \$105.03 total for 1,000 feet of wire. How much does he pay per foot of wire?	6
5)	A bag of 100 cherries weighs 82.95 ounces. How many ounces does each cherry weigh?	7.
6)	An internet company offers internet service with a cap of 1,000 gb for \$90.45 per month. What is the price per gb?	9
7)	Gwen's mom decided to wallpaper the living room. At the store, the wallpaper was selling for \$12.52 for a roll with 100 linear feet. What is the price per linear foot of the wallpaper?	11
8)	The cost to ship a single box across country is \$10.98. If a company shipped 100 boxes over the course of a year, how much did they spend on shipping?	12
9)	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)?	
10)	A candy store in the mall orders 10,000 boxes of candy a month. Each box of candy weighs 45.2 grams. What is the total weight (in grams) of the candy the store orders?	

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