Solving Decimal Word Problems with Power of Ten   Name:

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

1) An electrician paid $65.73 total for 100 feet of wire. How much does he pay per foot of wire?

2) A round trip from Faye's house to the grocery store is 5.40 miles. Faye estimates since she moved into her house she has gone 1,000 times. How many miles would that mean Faye has travelled?

3) At the hardware store Robin bought a box with 1,000 nails and paid $20.06 total. What is the price per nail?

4) A toy company paid $8,495.41 for a 30 second TV ad. Later they learned that an estimated 1,000 children had viewed the ad. How much money did they pay per viewer?

5) George has put 1,000 hours into playing an online video game. He has paid $734.38 over the course of the entire game. How much did he pay per hour played?

6) Tiffany's mom decided to wallpaper the living room. At the store, the wallpaper was selling for $14.06 for a roll with 100 linear feet. What is the price per linear foot of the wallpaper?

7) A ticket to the carnival cost $7.80. If there is going to be an estimated 1,000 people attending the carnival, how much money will be made in ticket sales?

8) The cost to ship a single box across country is $11.92. If a company shipped 100 boxes over the course of a year, how much did they spend on shipping?

9) An orchard owner is buying 5.92 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?

10) A typical business card is 0 mm thick. If a company ordered 100 business cards and placed them all into a single stack how tall would the stack be (in mm)?

11) Paige was looking on the internet for packing paper. She found a seller that was offering 1,000 linear feet of paper for $6.31. What is the price per linear foot?

12) A fair food booth was having a sell on burger combos. Each combo cost $6.58. If they estimate they will sell 10,000 combos over the course of the fair, how much money will they make?

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								

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

1) An electrician paid $65.73 total for 100 feet of wire. How much does he pay per foot of wire?

1. **0.65725**

2) A round trip from Faye's house to the grocery store is 5.40 miles. Faye estimates since she moved into her house she has gone 1,000 times. How many miles would that mean Faye has travelled?

2. **5,400**

3. **0.02006**

3) At the hardware store Robin bought a box with 1,000 nails and paid $20.06 total. What is the price per nail?

4. **8.49541**

4) A toy company paid $8,495.41 for a 30 second TV ad. Later they learned that an estimated 1,000 children had viewed the ad. How much money did they pay per viewer?

5. **0.73438**

6. **0.1406**

5) George has put 1,000 hours into playing an online video game. He has paid $734.38 over the course of the entire game. How much did he pay per hour played?

7. **7,800**

8. **1,192**

6) Tiffany's mom decided to wallpaper the living room. At the store, the wallpaper was selling for $14.06 for a roll with 100 linear feet. What is the price per linear foot of the wallpaper?

9. **5,920**

10. **29.6**

7) A ticket to the carnival cost $7.80. If there is going to be an estimated 1,000 people attending the carnival, how much money will be made in ticket sales?

11. **0.00631**

12. **65,800**

8) The cost to ship a single box across country is $11.92. If a company shipped 100 boxes over the course of a year, how much did they spend on shipping?

9) An orchard owner is buying 5.92 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?

10) A typical business card is 0 mm thick. If a company ordered 100 business cards and placed them all into a single stack how tall would the stack be (in mm)?

11) Paige was looking on the internet for packing paper. She found a seller that was offering 1,000 linear feet of paper for $6.31. What is the price per linear foot?

12) A fair food booth was having a sell on burger combos. Each combo cost $6.58. If they estimate they will sell 10,000 combos over the course of the fair, how much money will they make?

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