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 mg of iron. How much iron would you consume if you ate 100 spoonfuls?

2) At the hardware store Debby bought a box with 100 nails and paid $2.18 total. What is the price per nail?

3) Faye was looking on the internet for packing paper. She found a seller that was offering 1,000 linear feet of paper for $6.07. What is the price per linear foot?

4) The cost to ship a single box across country is $14.83. If a company shipped 1,000 boxes over the course of a year, how much did they spend on shipping?

5) A typical business card is 0 mm thick. If a company ordered 1,000 business cards and placed them all into a single stack how tall would the stack be (in mm)?

6) An orchard owner is buying 9.94 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?

7) Mike's water bill this month was $29.30. 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?

8) A ticket to the carnival cost $2.50. 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 fair food booth was having a sell on burger combos. Each combo cost $9.91. If they estimate they will sell 10,000 combos over the course of the fair, how much money will they make?

10) An electrician paid $35.45 total for 100 feet of wire. How much does he pay per foot of wire?

11) A toy company paid $5,180.64 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?

12) A candy store in the mall orders 100 boxes of candy a month. Each box of candy weighs 46.6 grams. What is the total weight (in grams) of the candy the store orders?

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

Math   www.CommonCoreSheets.com

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

Answer Key

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

Answers

1) A spoonful of ice cream contains 0 mg of iron. How much iron would you consume if you ate 100 spoonfuls?

1. **0.5**

2) At the hardware store Debby bought a box with 100 nails and paid $2.18 total. What is the price per nail?

2. **0.0218**

3) Faye was looking on the internet for packing paper. She found a seller that was offering 1,000 linear feet of paper for $6.07. What is the price per linear foot?

3. **0.00607**

4. **14,830**

4) The cost to ship a single box across country is $14.83. If a company shipped 1,000 boxes over the course of a year, how much did they spend on shipping?

5. **267**

6. **9,940**

5) A typical business card is 0 mm thick. If a company ordered 1,000 business cards and placed them all into a single stack how tall would the stack be (in mm)?

7. **0.00293**

8. **25,000**

6) An orchard owner is buying 9.94 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?

9. **99,100**

10. **0.354464**

7) Mike's water bill this month was $29.30. 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?

11. **5.18064**

12. **4,660**

8) A ticket to the carnival cost $2.50. 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 fair food booth was having a sell on burger combos. Each combo cost $9.91. If they estimate they will sell 10,000 combos over the course of the fair, how much money will they make?

10) An electrician paid $35.45 total for 100 feet of wire. How much does he pay per foot of wire?

11) A toy company paid $5,180.64 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?

12) A candy store in the mall orders 100 boxes of candy a month. Each box of candy weighs 46.6 grams. What is the total weight (in grams) of the candy the store orders?

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 mg of iron. How much iron would you consume if you ate 100 spoonfuls?

2) At the hardware store Debby bought a box with 100 nails and paid $2.18 total. What is the price per nail?

3) Faye was looking on the internet for packing paper. She found a seller that was offering 1,000 linear feet of paper for $6.07. What is the price per linear foot?

4) The cost to ship a single box across country is $14.83. If a company shipped 1,000 boxes over the course of a year, how much did they spend on shipping?

5) A typical business card is 0 mm thick. If a company ordered 1,000 business cards and placed them all into a single stack how tall would the stack be (in mm)?

6) An orchard owner is buying 9.94 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?

7) Mike's water bill this month was $29.30. 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?

8) A ticket to the carnival cost $2.50. 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 fair food booth was having a sell on burger combos. Each combo cost $9.91. If they estimate they will sell 10,000 combos over the course of the fair, how much money will they make?

10) An electrician paid $35.45 total for 100 feet of wire. How much does he pay per foot of wire?

11) A toy company paid $5,180.64 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?

12) A candy store in the mall orders 100 boxes of candy a month. Each box of candy weighs 46.6 grams. What is the total weight (in grams) of the candy the store orders?

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

Math   **Modified**
www.CommonCoreSheets.com

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