Solving Decimal Word Problems with Power of Ten

Name:

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

1) An electrician paid $379.91 total for 1,000 feet of wire. How much does he pay per foot of wire?

2) A bag of 1,000 cherries weighs 676.03 ounces. How many ounces does each cherry weigh?

3) Billy has put 100 hours into playing an online video game. He has paid $78.28 over the course of the entire game. How much did he pay per hour played?

4) Carol was looking on the internet for packing paper. She found a seller that was offering 1,000 linear feet of paper for $3.11. What is the price per linear foot?

5) A toy company paid $78,154.67 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?

6) An internet company offers internet service with a cap of 100 gb for $7.70 per month. What is the price per gb?

7) At the hardware store Lana bought a box with 100 nails and paid $2.16 total. What is the price per nail?

8) 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)?

9) The cost to ship a single box across country is $14.84. If a company shipped 100 boxes over the course of a year, how much did they spend on shipping?

10) Paul's water bill this month was $21.41. 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) A round trip from Janet's house to the grocery store is 2.10 miles. Janet estimates since she moved into her house she has gone 100 times. How many miles would that mean Janet has travelled?

12) A candy store in the mall orders 1,000 boxes of candy a month. Each box of candy weighs 57.3 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.

1) An electrician paid $379.91 total for 1,000 feet of wire. How much does he pay per foot of wire?

2) A bag of 1,000 cherries weighs 676.03 ounces. How many ounces does each cherry weigh?

3) Billy has put 100 hours into playing an online video game. He has paid $78.28 over the course of the entire game. How much did he pay per hour played?

4) Carol was looking on the internet for packing paper. She found a seller that was offering 1,000 linear feet of paper for $3.11. What is the price per linear foot?

5) A toy company paid $78,154.67 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?

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9) The cost to ship a single box across country is $14.84. If a company shipped 100 boxes over the course of a year, how much did they spend on shipping?

10) Paul's water bill this month was $21.41. 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) A round trip from Janet's house to the grocery store is 2.10 miles. Janet estimates since she moved into her house she has gone 100 times. How many miles would that mean Janet has travelled?

12) A candy store in the mall orders 1,000 boxes of candy a month. Each box of candy weighs 57.3 grams. What is the total weight (in grams) of the candy the store orders?

Answers

1. **0.3799136**
2. **0.67603**
3. **0.7828**
4. **0.00311**
5. **7.815467**
6. **0.077**
7. **0.0216**
8. **30.1**
9. **1,484**
10. **0.002141**
11. **210**
12. **57,300**

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:

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

1) A ticket to the carnival cost $7.70. If there is going to be an estimated 1,000 people attending the carnival, how much money will be made in ticket sales?

2) An internet company offers internet service with a cap of 100 gb for $3.15 per month. What is the price per gb?

3) Cody has put 1,000 hours into playing an online video game. He has paid $803.20 over the course of the entire game. How much did he pay per hour played?

4) The cost to ship a single box across country is $10.30. If a company shipped 100 boxes over the course of a year, how much did they spend on shipping?

5) Amy was looking on the internet for packing paper. She found a seller that was offering 100 linear feet of paper for $5.03. What is the price per linear foot?

6) An electrician paid $63.98 total for 100 feet of wire. How much does he pay per foot of wire?

7) 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)?

8) An orchard owner is buying 8.42 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?

9) A fair food booth was having a sell on burger combos. Each combo cost $6.34. If they estimate they will sell 10,000 combos over the course of the fair, how much money will they make?

10) A toy company paid $6,277.44 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?

11) A round trip from Katie's house to the grocery store is 9.90 miles. Katie estimates since she moved into her house she has gone 100 times. How many miles would that mean Katie has travelled?

12) At the hardware store Sarah bought a box with 100 nails and paid $4.28 total. What is the price per nail?

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								

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

1) A ticket to the carnival cost $7.70. If there is going to be an estimated 1,000 people attending the carnival, how much money will be made in ticket sales?

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5) Amy was looking on the internet for packing paper. She found a seller that was offering 100 linear feet of paper for $5.03. What is the price per linear foot?

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7) 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)?

8) An orchard owner is buying 8.42 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?

9) A fair food booth was having a sell on burger combos. Each combo cost $6.34. If they estimate they will sell 10,000 combos over the course of the fair, how much money will they make?

10) A toy company paid $6,277.44 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?

11) A round trip from Katie's house to the grocery store is 9.90 miles. Katie estimates since she moved into her house she has gone 100 times. How many miles would that mean Katie has travelled?

12) At the hardware store Sarah bought a box with 100 nails and paid $4.28 total. What is the price per nail?

Answers

1. **7,700**
2. **0.0315**
3. **0.8032**
4. **1,030**
5. **0.0503**
6. **0.639765**
7. **29.7**
8. **842**
9. **63,400**
10. **6.27744**
11. **990**
12. **0.0428**

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:

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

1) A fair food booth was having a sell on burger combos. Each combo cost $5.86. If they estimate they will sell 1,000 combos over the course of the fair, how much money will they make?

2) An orchard owner is buying 8.92 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?

3) 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)?

4) The cost to ship a single box across country is $13.95. If a company shipped 1,000 boxes over the course of a year, how much did they spend on shipping?

5) A spoonful of ice cream contains 0 mg of iron. How much iron would you consume if you ate 10 spoonfuls?

6) At the hardware store Haley bought a box with 1,000 nails and paid $30.24 total. What is the price per nail?

7) An internet company offers internet service with a cap of 100 gb for $2.14 per month. What is the price per gb?

8) Edward's water bill this month was $26.50. 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?

9) An electrician paid $61.01 total for 100 feet of wire. How much does he pay per foot of wire?

10) Nancy was looking on the internet for packing paper. She found a seller that was offering 1,000 linear feet of paper for $4.78. What is the price per linear foot?

11) Rachel's mom decided to wallpaper the living room. At the store, the wallpaper was selling for $10.47 for a roll with 100 linear feet. What is the price per linear foot of the wallpaper?

12) A round trip from Emily's house to the grocery store is 3.50 miles. Emily estimates since she moved into her house she has gone 100 times. How many miles would that mean Emily has travelled?

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.

1) A fair food booth was having a sell on burger combos. Each combo cost $5.86. If they estimate they will sell 1,000 combos over the course of the fair, how much money will they make?

2) An orchard owner is buying 8.92 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?

3) 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)?

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12) A round trip from Emily's house to the grocery store is 3.50 miles. Emily estimates since she moved into her house she has gone 100 times. How many miles would that mean Emily has travelled?

Answers

1. **5,860**
2. **8,920**
3. **268**
4. **13,950**
5. **0.08**
6. **0.03024**
7. **0.0214**
8. **0.00265**
9. **0.610073**
10. **0.00478**
11. **0.1047**
12. **350**

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11-12	8	0								

Solving Decimal Word Problems with Power of Ten

Name:

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

1) 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)?

2) A fair food booth was having a sell on burger combos. Each combo cost $5.41. 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 $8,700.48 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?

4) At the hardware store Debby bought a box with 100 nails and paid $2.04 total. What is the price per nail?

5) An internet company offers internet service with a cap of 100 gb for $5.20 per month. What is the price per gb?

6) A spoonful of ice cream contains 0 mg of iron. How much iron would you consume if you ate 10 spoonfuls?

7) An orchard owner is buying 8.72 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?

8) A bag of 1,000 cherries weighs 653.90 ounces. How many ounces does each cherry weigh?

9) Ned has put 1,000 hours into playing an online video game. He has paid $966.72 over the course of the entire game. How much did he pay per hour played?

10) Bianca's mom decided to wallpaper the living room. At the store, the wallpaper was selling for $10.10 for a roll with 100 linear feet. What is the price per linear foot of the wallpaper?

11) A ticket to the carnival cost $8.20. If there is going to be an estimated 10,000 people attending the carnival, how much money will be made in ticket sales?

12) A candy store in the mall orders 10,000 boxes of candy a month. Each box of candy weighs 48.0 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
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12) A candy store in the mall orders 10,000 boxes of candy a month. Each box of candy weighs 48.0 grams. What is the total weight (in grams) of the candy the store orders?

Answers

1. **27.8**
2. **541**
3. **8.70048**
4. **0.0204**
5. **0.052**
6. **0.04**
7. **872**
8. **0.6539**
9. **0.96672**
10. **0.101**
11. **82,000**
12. **480,000**

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:

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

1) A round trip from Amy's house to the grocery store is 5.10 miles. Amy estimates since she moved into her house she has gone 100 times. How many miles would that mean Amy has travelled?

2) Rachel's mom decided to wallpaper the living room. At the store, the wallpaper was selling for $13.32 for a roll with 100 linear feet. What is the price per linear foot of the wallpaper?

3) Nancy was looking on the internet for packing paper. She found a seller that was offering 100 linear feet of paper for $2.39. What is the price per linear foot?

4) A ticket to the carnival cost $5.40. If there is going to be an estimated 10,000 people attending the carnival, how much money will be made in ticket sales?

5) A bag of 100 cherries weighs 81.32 ounces. How many ounces does each cherry weigh?

6) A candy store in the mall orders 1,000 boxes of candy a month. Each box of candy weighs 50.7 grams. What is the total weight (in grams) of the candy the store orders?

7) Frank has put 100 hours into playing an online video game. He has paid $50.96 over the course of the entire game. How much did he pay per hour played?

8) A fair food booth was having a sell on burger combos. Each combo cost $8.55. If they estimate they will sell 1,000 combos over the course of the fair, how much money will they make?

9) An internet company offers internet service with a cap of 100 gb for $2.14 per month. What is the price per gb?

10) A toy company paid $64,764.70 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?

11) The cost to ship a single box across country is $12.19. If a company shipped 1,000 boxes over the course of a year, how much did they spend on shipping?

12) An electrician paid $563.17 total for 1,000 feet of wire. How much does he pay per foot of wire?

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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3) Nancy was looking on the internet for packing paper. She found a seller that was offering 100 linear feet of paper for $2.39. What is the price per linear foot?

4) A ticket to the carnival cost $5.40. If there is going to be an estimated 10,000 people attending the carnival, how much money will be made in ticket sales?

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12) An electrician paid $563.17 total for 1,000 feet of wire. How much does he pay per foot of wire?

Answers

1. **510**
2. **0.1332**
3. **0.0239**
4. **54,000**
5. **0.8132**
6. **50,700**
7. **0.5096**
8. **8,550**
9. **0.0214**
10. **6.47647**
11. **12,190**
12. **0.5631696**

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:

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

1) A ticket to the carnival cost $7.60. If there is going to be an estimated 1,000 people attending the carnival, how much money will be made in ticket sales?

2) At the hardware store Olivia bought a box with 1,000 nails and paid $30.18 total. What is the price per nail?

3) Oliver's water bill this month was $22.68. 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?

4) A bag of 100 cherries weighs 64.48 ounces. How many ounces does each cherry weigh?

5) Janet's mom decided to wallpaper the living room. At the store, the wallpaper was selling for $16.63 for a roll with 100 linear feet. What is the price per linear foot of the wallpaper?

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

7) Sam has put 100 hours into playing an online video game. He has paid $50.88 over the course of the entire game. How much did he pay per hour played?

8) A toy company paid $60,248.16 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?

9) Bianca was looking on the internet for packing paper. She found a seller that was offering 100 linear feet of paper for $2.66. What is the price per linear foot?

10) The cost to ship a single box across country is $13.62. If a company shipped 1,000 boxes over the course of a year, how much did they spend on shipping?

11) 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)?

12) An orchard owner is buying 7.31 acres of land to plant more trees. He figures he will plant 10 trees per acre. How many trees will he plant on his new land?

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
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11) 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)?

12) An orchard owner is buying 7.31 acres of land to plant more trees. He figures he will plant 10 trees per acre. How many trees will he plant on his new land?

Answers

1. **7,600**
2. **0.03018**
3. **0.002268**
4. **0.6448**
5. **0.1663**
6. **0.5**
7. **0.5088**
8. **6.024816**
9. **0.0266**
10. **13,620**
11. **29**
12. **73.1**

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:

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

1) A candy store in the mall orders 100 boxes of candy a month. Each box of candy weighs 50.7 grams. What is the total weight (in grams) of the candy the store orders?

2) An electrician paid $587.54 total for 1,000 feet of wire. How much does he pay per foot of wire?

3) A toy company paid $73,258.56 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 fair food booth was having a sell on burger combos. Each combo cost $6.49. If they estimate they will sell 10,000 combos over the course of the fair, how much money will they make?

5) The cost to ship a single box across country is $11.97. If a company shipped 100 boxes over the course of a year, how much did they spend on shipping?

6) Olivia was looking on the internet for packing paper. She found a seller that was offering 100 linear feet of paper for $3.23. What is the price per linear foot?

7) At the hardware store Maria bought a box with 1,000 nails and paid $30.30 total. What is the price per nail?

8) Amy's mom decided to wallpaper the living room. At the store, the wallpaper was selling for $16.60 for a roll with 100 linear feet. What is the price per linear foot of the wallpaper?

9) An orchard owner is buying 6.97 acres of land to plant more trees. He figures he will plant 10 trees per acre. How many trees will he plant on his new land?

10) A bag of 100 cherries weighs 66.49 ounces. How many ounces does each cherry weigh?

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

12) Luke's water bill this month was $18.43. 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?

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.

1) A candy store in the mall orders 100 boxes of candy a month. Each box of candy weighs 50.7 grams. What is the total weight (in grams) of the candy the store orders?

2) An electrician paid $587.54 total for 1,000 feet of wire. How much does he pay per foot of wire?

3) A toy company paid $73,258.56 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 fair food booth was having a sell on burger combos. Each combo cost $6.49. If they estimate they will sell 10,000 combos over the course of the fair, how much money will they make?

5) The cost to ship a single box across country is $11.97. If a company shipped 100 boxes over the course of a year, how much did they spend on shipping?

6) Olivia was looking on the internet for packing paper. She found a seller that was offering 100 linear feet of paper for $3.23. What is the price per linear foot?

7) At the hardware store Maria bought a box with 1,000 nails and paid $30.30 total. What is the price per nail?

8) Amy's mom decided to wallpaper the living room. At the store, the wallpaper was selling for $16.60 for a roll with 100 linear feet. What is the price per linear foot of the wallpaper?

9) An orchard owner is buying 6.97 acres of land to plant more trees. He figures he will plant 10 trees per acre. How many trees will he plant on his new land?

10) A bag of 100 cherries weighs 66.49 ounces. How many ounces does each cherry weigh?

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

12) Luke's water bill this month was $18.43. 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?

Answers

1. **5,070**
2. **0.5875408**
3. **7.325856**
4. **64,900**
5. **1,197**
6. **0.0323**
7. **0.0303**
8. **0.166**
9. **69.7**
10. **0.6649**
11. **0.9**
12. **0.001843**

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:

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

1) At the hardware store Janet bought a box with 100 nails and paid $2.20 total. What is the price per nail?

2) Rachel was looking on the internet for packing paper. She found a seller that was offering 100 linear feet of paper for $5.39. What is the price per linear foot?

3) Oliver's water bill this month was $27.23. 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?

4) A spoonful of ice cream contains 0 mg of iron. How much iron would you consume if you ate 10 spoonfuls?

5) A fair food booth was having a sell on burger combos. Each combo cost $7.14. If they estimate they will sell 10,000 combos over the course of the fair, how much money will they make?

6) Bianca's mom decided to wallpaper the living room. At the store, the wallpaper was selling for $17.45 for a roll with 100 linear feet. What is the price per linear foot of the wallpaper?

7) A round trip from Robin's house to the grocery store is 6.50 miles. Robin estimates since she moved into her house she has gone 1,000 times. How many miles would that mean Robin has travelled?

8) An electrician paid $548.01 total for 1,000 feet of wire. How much does he pay per foot of wire?

9) The cost to ship a single box across country is $12.48. If a company shipped 100 boxes over the course of a year, how much did they spend on shipping?

10) A ticket to the carnival cost $8.50. If there is going to be an estimated 10,000 people attending the carnival, how much money will be made in ticket sales?

11) A bag of 1,000 cherries weighs 662.64 ounces. How many ounces does each cherry weigh?

12) 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)?

Answers

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

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Answers

1. **0.022**
2. **0.0539**
3. **0.002723**
4. **0.06**
5. **71,400**
6. **0.1745**
7. **6,500**
8. **0.5480094**
9. **1,248**
10. **85,000**
11. **0.66264**
12. **294**

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:

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

1) The cost to ship a single box across country is $11.94. If a company shipped 100 boxes over the course of a year, how much did they spend on shipping?

2) A ticket to the carnival cost $8.70. If there is going to be an estimated 1,000 people attending the carnival, how much money will be made in ticket sales?

3) A bag of 100 cherries weighs 81.00 ounces. How many ounces does each cherry weigh?

4) A candy store in the mall orders 100 boxes of candy a month. Each box of candy weighs 32.9 grams. What is the total weight (in grams) of the candy the store orders?

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

6) A toy company paid $22,417.92 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?

7) An electrician paid $18.18 total for 100 feet of wire. How much does he pay per foot of wire?

8) Emily was looking on the internet for packing paper. She found a seller that was offering 1,000 linear feet of paper for $2.31. What is the price per linear foot?

9) An internet company offers internet service with a cap of 100 gb for $9.72 per month. What is the price per gb?

10) Ned has put 100 hours into playing an online video game. He has paid $52.92 over the course of the entire game. How much did he pay per hour played?

11) At the hardware store Amy bought a box with 1,000 nails and paid $30.27 total. What is the price per nail?

12) A fair food booth was having a sell on burger combos. Each combo cost $9.77. If they estimate they will sell 100 combos over the course of the fair, how much money will they make?

Answers

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

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Answers

1. **1,194**
2. **8,700**
3. **0.81**
4. **3,290**
5. **0.7**
6. **2.241792**
7. **0.18183**
8. **0.00231**
9. **0.0972**
10. **0.5292**
11. **0.03027**
12. **977**

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:

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

1) At the hardware store Faye bought a box with 100 nails and paid $3.06 total. What is the price per nail?

2) Jerry's water bill this month was $23.19. 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?

3) A bag of 100 cherries weighs 67.10 ounces. How many ounces does each cherry weigh?

4) 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)?

5) A fair food booth was having a sell on burger combos. Each combo cost $6.95. If they estimate they will sell 100 combos over the course of the fair, how much money will they make?

6) A round trip from Nancy's house to the grocery store is 4.20 miles. Nancy estimates since she moved into her house she has gone 1,000 times. How many miles would that mean Nancy has travelled?

7) Amy was looking on the internet for packing paper. She found a seller that was offering 100 linear feet of paper for $8.45. What is the price per linear foot?

8) A candy store in the mall orders 10,000 boxes of candy a month. Each box of candy weighs 44.0 grams. What is the total weight (in grams) of the candy the store orders?

9) An internet company offers internet service with a cap of 100 gb for $3.24 per month. What is the price per gb?

10) Olivia's mom decided to wallpaper the living room. At the store, the wallpaper was selling for $16.42 for a roll with 100 linear feet. What is the price per linear foot of the wallpaper?

11) The cost to ship a single box across country is $13.59. If a company shipped 100 boxes over the course of a year, how much did they spend on shipping?

12) A toy company paid $9,688.98 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?

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
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1-10	92	83	75	67	58	50	42	33	25	17
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Answers

1. **0.0306**
2. **0.002319**
3. **0.671**
4. **2,650**
5. **695**
6. **4,200**
7. **0.0845**
8. **440,000**
9. **0.0324**
10. **0.1642**
11. **1,359**
12. **9.68898**

1-10	92	83	75	67	58	50	42	33	25	17
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