Solve each problem.

1) Tom developed a game for phones that he sold for $1. After the first week he discovered he had 6,040 downloads from girls and 8 times as many boys download the game. Of the boys who downloaded it he only had 1/2 who bought the full game. How many boys bought the full game?

2) Over the course of 13 weeks Janet collected 25 pounds of cans to recycle and Jerry collected 9 times as much as Janet. Jerry then put his collection into 5 bags to take to the recycling center. How many pounds of cans did Jerry put into each bag?

3) At Tiffany's bakery over the course of a year she sold 72 birthday cakes for $65 a cake. At the end of the year she determined that for each cake she sold she had spent 1/3 of the sale price on ingredients. How much money did she spend on ingredients for cakes?

4) At a potato chip factory there were 57 machines working with each machine able to produce 96 chips a minute. If this is enough potato chips to fill 8 shipping boxes, how many chips are there per box?

5) A contractor bought 89 boxes of nails at a price of $3 per box. Each box contained contained 54 nails. If he distributed the nails to the 9 houses he was building and made sure each house received the same number of nails, how many nails would each house get?

6) A donation center had filled up 19 small bins with canned food with each bin containing 84 cans. They plan to send the cans out to 2 food banks but want to give each food bank the same number of cans. How many cans should they give to each food bank?

7) Amy was trying to save up $449. At her job she made $7 an hour and she worked 36 hours a week. After paying for her food and other expenditures she ended up only saving 1/7 of her weeks earnings. How much money did she save up each week?

8) The owner of a malt shop spent $1 buying 9 boxes of cups with each box containing 252 cups. If he expected the cups to last 2 months, how many cups does he plan to use each month?

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____

1-8	88	75	63	50	38	25	13	0

Two Step Problems

Name: **Answer Key**

Solve each problem.

1) Tom developed a game for phones that he sold for $1. After the first week he discovered he had 6,040 downloads from girls and 8 times as many boys download the game. Of the boys who downloaded it he only had 1/2 who bought the full game. How many boys bought the full game?

2) Over the course of 13 weeks Janet collected 25 pounds of cans to recycle and Jerry collected 9 times as much as Janet. Jerry then put his collection into 5 bags to take to the recycling center. How many pounds of cans did Jerry put into each bag?

3) At Tiffany's bakery over the course of a year she sold 72 birthday cakes for $65 a cake. At the end of the year she determined that for each cake she sold she had spent 1/3 of the sale price on ingredients. How much money did she spend on ingredients for cakes?

4) At a potato chip factory there were 57 machines working with each machine able to produce 96 chips a minute. If this is enough potato chips to fill 8 shipping boxes, how many chips are there per box?

5) A contractor bought 89 boxes of nails at a price of $3 per box. Each box contained contained 54 nails. If he distributed the nails to the 9 houses he was building and made sure each house received the same number of nails, how many nails would each house get?

6) A donation center had filled up 19 small bins with canned food with each bin containing 84 cans. They plan to send the cans out to 2 food banks but want to give each food bank the same number of cans. How many cans should they give to each food bank?

7) Amy was trying to save up $449. At her job she made $7 an hour and she worked 36 hours a week. After paying for her food and other expenditures she ended up only saving 1/7 of her weeks earnings. How much money did she save up each week?

8) The owner of a malt shop spent $1 buying 9 boxes of cups with each box containing 252 cups. If he expected the cups to last 2 months, how many cups does he plan to use each month?

Answers

1. **24,160**
2. **45**
3. **1,560**
4. **684**
5. **534**
6. **798**
7. **36**
8. **1,134**

1-8	88	75	63	50	38	25	13	0