Two Step Problems

Name:

Solve each problem.

1) George developed a game for phones that he sold for $1. After the first week he discovered he had 7,425 downloads from girls and 2 times as many boys download the game. Of the boys who downloaded it he only had 1/9 who bought the full game. How many boys bought the full game?

1. _____

2. _____

2) A contractor bought 59 boxes of nails at a price of $2 per box. Each box contained contained 78 nails. If he distributed the nails to the 6 houses he was building and made sure each house received the same number of nails, how many nails would each house get?

3. _____

4. _____

5. _____

3) An industrial machine made 7,320 cans of diet sodas and 8 times as many regular sodas over the course of 43 minutes. The regular sodas were then placed into 5 shipping boxes with each shipping box containing the same number of sodas. How many regular sodas were in each shipping box.

6. _____

7. _____

4) At a potato chip factory there were 88 machines working with each machine able to produce 52 chips a minute. If this is enough potato chips to fill 2 shipping boxes, how many chips are there per box?

8. _____

5) Gwen was trying to save up $343. At her job she made $8 an hour and she worked 25 hours a week. After paying for her food and other expenditures she ended up only saving 1/8 of her weeks earnings. How much money did she save up each week?

6) The owner of a malt shop spent $2 buying 2 boxes of cups with each box containing 408 cups. If he expected the cups to last 6 months, how many cups does he plan to use each month?

7) A restaurant owner bought 3 boxes of disposable cups for $97, with each box containing 2,156 cups. If he wanted to divvy up the cups among his 7 restaurants, with each restaurant getting the same number of cups, how many cups should each store get?

8) A donation center had filled up 69 small bins with canned food with each bin containing 54 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?

Solve each problem.

Answers

1) George developed a game for phones that he sold for $1. After the first week he discovered he had 7,425 downloads from girls and 2 times as many boys download the game. Of the boys who downloaded it he only had 1/9 who bought the full game. How many boys bought the full game?

7,425 × 2
14,850÷9

1. **1,650**

2) A contractor bought 59 boxes of nails at a price of $2 per box. Each box contained contained 78 nails. If he distributed the nails to the 6 houses he was building and made sure each house received the same number of nails, how many nails would each house get?

78 × 59
4,602÷6

2. **767**

3. **11,712**

3) An industrial machine made 7,320 cans of diet sodas and 8 times as many regular sodas over the course of 43 minutes. The regular sodas were then placed into 5 shipping boxes with each shipping box containing the same number of sodas. How many regular sodas were in each shipping box.

7,320 × 8
58,560÷5

4. **2,288**

5. **25**

4) At a potato chip factory there were 88 machines working with each machine able to produce 52 chips a minute. If this is enough potato chips to fill 2 shipping boxes, how many chips are there per box?

52 × 88
4,576÷2

6. **136**

7. **924**

5) Gwen was trying to save up $343. At her job she made $8 an hour and she worked 25 hours a week. After paying for her food and other expenditures she ended up only saving 1/8 of her weeks earnings. How much money did she save up each week?

8 × 25
200÷8

8. **1,863**

6) The owner of a malt shop spent $2 buying 2 boxes of cups with each box containing 408 cups. If he expected the cups to last 6 months, how many cups does he plan to use each month?

408 × 2
816÷6

7) A restaurant owner bought 3 boxes of disposable cups for $97, with each box containing 2,156 cups. If he wanted to divvy up the cups among his 7 restaurants, with each restaurant getting the same number of cups, how many cups should each store get?

2,156 × 3
6,468÷7

8) A donation center had filled up 69 small bins with canned food with each bin containing 54 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?

54 × 69
3,726÷2

1-8	88	75	63	50	38	25	13	0