



Solve each problem.

Answers

- 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  $\frac{1}{2}$  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  $\frac{1}{3}$  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 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  $\frac{1}{7}$  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?

1. \_\_\_\_\_
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3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
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8. \_\_\_\_\_



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**Answers**

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