



Solve each problem.

Answers

- 1) At Nancy's bakery over the course of a year she sold 9 birthday cakes for \$86 a cake. At the end of the year she determined that for each cake she sold she had spent  $\frac{1}{9}$  of the sale price on ingredients. How much money did she spend on ingredients for cakes?
- 2) Over the course of 10 weeks Amy collected 8 pounds of cans to recycle and Billy collected 9 times as much as Amy. Billy then put his collection into 8 bags to take to the recycling center. How many pounds of cans did Billy put into each bag?
- 3) Gwen's mother had 25 small photo albums filled with 72 photos in each. In order to save some space she bought 6 larger albums with each album having 39 pages. If she wanted to put all her pictures into the large albums, with the same number of pictures in each, how many pictures should be in each album?
- 4) At the flea market Paul found 3 buckets of LEGOs with each bucket containing 8,464 LEGO pieces. If he wanted to split the LEGO pieces into 8 piles, how many pieces should he put into each pile?
- 5) While playing a game Haley defeated 2 enemies with each enemy defeated earning her 6,264 points. If she traded in all her points for 3 extra lives, how many points is it per life?
- 6) Tom and Isabel were comparing their Halloween candy. Tom received 4 times as much candy as Isabel received. Tom then split his candy evenly into 3 piles to eat later. If Isabel received 15 ounces of candy, how many ounces of candy would be in each of Tom's piles?
- 7) The owner of a malt shop spent \$2 buying 6 boxes of cups with each box containing 847 cups. If he expected the cups to last 7 months, how many cups does he plan to use each month?
- 8) Victor developed a game for phones that he sold for \$4. After the first week he discovered he had 3,288 downloads from girls and 4 times as many boys download the game. Of the boys who downloaded it he only had  $\frac{1}{8}$  who bought the full game. How many boys bought the full game?

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



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Answers

1. 86
2. 9
3. 300
4. 3,174
5. 4,176
6. 20
7. 726
8. 1,644