

**Solve each problem.****Answers**

- 1) At Haley's bakery over the course of a year she sold 56 birthday cakes for \$79 a cake. At the end of the year she determined that for each cake she sold she had spent $\frac{1}{7}$ of the sale price on ingredients. How much money did she spend on ingredients for cakes?
- 2) An industrial machine made 4,436 cans of diet sodas and 9 times as many regular sodas over the course of 58 minutes. The regular sodas were then placed into 4 shipping boxes with each shipping box containing the same number of sodas. How many regular sodas were in each shipping box.
- 3) Vanessa was planning to marathon watch episodes of her favorite show. The show had 35 episodes with each episode lasting exactly 22 minutes. If she planned to spend 5 days watching the show how many minutes should she watch each day?
- 4) A donation center had filled up 86 small bins with canned food with each bin containing 40 cans. They plan to send the cans out to 8 food banks but want to give each food bank the same number of cans. How many cans should they give to each food bank?
- 5) Ned developed a game for phones that he sold for \$3. After the first week he discovered he had 3,954 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?
- 6) A king size candy bars costs \$3 with each candy bar having 1,344 calories. If you bought 2 candy bars and took 7 days eating them (eating the same amount each day) how many calories would you consume a day?
- 7) Sarah's mother had 20 small photo albums filled with 42 photos in each. In order to save some space she bought 6 larger albums with each album having 44 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?
- 8) A restaurant owner bought 2 boxes of disposable cups for \$133, with each box containing 4,344 cups. If he wanted to divvy up the cups among his 8 restaurants, with each restaurant getting the same number of cups, how many cups should each store get?

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



Solve each problem.

Answers

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| 1) At Haley's bakery over the course of a year she sold 56 birthday cakes for \$79 a cake. At the end of the year she determined that for each cake she sold she had spent $\frac{1}{7}$ of the sale price on ingredients. How much money did she spend on ingredients for cakes? | 1. <u>632</u> |
| 2) An industrial machine made 4,436 cans of diet sodas and 9 times as many regular sodas over the course of 58 minutes. The regular sodas were then placed into 4 shipping boxes with each shipping box containing the same number of sodas. How many regular sodas were in each shipping box. | 2. <u>9,981</u> |
| 3) Vanessa was planning to marathon watch episodes of her favorite show. The show had 35 episodes with each episode lasting exactly 22 minutes. If she planned to spend 5 days watching the show how many minutes should she watch each day? | 3. <u>154</u> |
| 4) A donation center had filled up 86 small bins with canned food with each bin containing 40 cans. They plan to send the cans out to 8 food banks but want to give each food bank the same number of cans. How many cans should they give to each food bank? | 4. <u>430</u> |
| 5) Ned developed a game for phones that he sold for \$3. After the first week he discovered he had 3,954 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? | 5. <u>15,816</u> |
| 6) A king size candy bars costs \$3 with each candy bar having 1,344 calories. If you bought 2 candy bars and took 7 days eating them (eating the same amount each day) how many calories would you consume a day? | 6. <u>384</u> |
| 7) Sarah's mother had 20 small photo albums filled with 42 photos in each. In order to save some space she bought 6 larger albums with each album having 44 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? | 7. <u>140</u> |
| 8) A restaurant owner bought 2 boxes of disposable cups for \$133, with each box containing 4,344 cups. If he wanted to divvy up the cups among his 8 restaurants, with each restaurant getting the same number of cups, how many cups should each store get? | 8. <u>1,086</u> |