

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

- 1) An industrial machine made 2,084 cans of diet sodas and 9 times as many regular sodas over the course of 45 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) A contractor bought 46 boxes of nails at a price of \$1 per box. Each box contained 56 nails. If he distributed the nails to the 7 houses he was building and made sure each house received the same number of nails, how many nails would each house get?
- 3) A donation center had filled up 42 small bins with canned food with each bin containing 84 cans. They plan to send the cans out to 7 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) At Gwen's bakery over the course of a year she sold 39 birthday cakes for \$68 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?
- 5) A restaurant owner bought 3 boxes of disposable cups for \$112, with each box containing 1,510 cups. If he wanted to divvy up the cups among his 5 restaurants, with each restaurant getting the same number of cups, how many cups should each store get?
- 6) Faye was planning to marathon watch episodes of her favorite show. The show had 36 episodes with each episode lasting exactly 25 minutes. If she planned to spend 9 days watching the show how many minutes should she watch each day?
- 7) Edward developed a game for phones that he sold for \$4. After the first week he discovered he had 9,786 downloads from girls and 5 times as many boys download the game. Of the boys who downloaded it he only had $\frac{1}{6}$ who bought the full game. How many boys bought the full game?
- 8) Olivia's mother had 10 small photo albums filled with 88 photos in each. In order to save some space she bought 4 larger albums with each album having 90 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?

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



Solve each problem.

- 1) An industrial machine made 2,084 cans of diet sodas and 9 times as many regular sodas over the course of 45 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) A contractor bought 46 boxes of nails at a price of \$1 per box. Each box contained 56 nails. If he distributed the nails to the 7 houses he was building and made sure each house received the same number of nails, how many nails would each house get?
- 3) A donation center had filled up 42 small bins with canned food with each bin containing 84 cans. They plan to send the cans out to 7 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) At Gwen's bakery over the course of a year she sold 39 birthday cakes for \$68 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?
- 5) A restaurant owner bought 3 boxes of disposable cups for \$112, with each box containing 1,510 cups. If he wanted to divvy up the cups among his 5 restaurants, with each restaurant getting the same number of cups, how many cups should each store get?
- 6) Faye was planning to marathon watch episodes of her favorite show. The show had 36 episodes with each episode lasting exactly 25 minutes. If she planned to spend 9 days watching the show how many minutes should she watch each day?
- 7) Edward developed a game for phones that he sold for \$4. After the first week he discovered he had 9,786 downloads from girls and 5 times as many boys download the game. Of the boys who downloaded it he only had $\frac{1}{6}$ who bought the full game. How many boys bought the full game?
- 8) Olivia's mother had 10 small photo albums filled with 88 photos in each. In order to save some space she bought 4 larger albums with each album having 90 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?

Answers

1. 4,689
2. 368
3. 504
4. 884
5. 906
6. 100
7. 8,155
8. 220