



Solve each problem.

Answers

- 1) A contractor bought 51 boxes of nails at a price of \$3 per box. Each box contained 25 nails. If he distributed the nails to the 5 houses he was building and made sure each house received the same number of nails, how many nails would each house get?
- 2) An industrial machine made 4,636 cans of diet sodas and 9 times as many regular sodas over the course of 41 minutes. The regular sodas were then placed into 2 shipping boxes with each shipping box containing the same number of sodas. How many regular sodas were in each shipping box.
- 3) Carol was planning to marathon watch episodes of her favorite show. The show had 12 episodes with each episode lasting exactly 27 minutes. If she planned to spend 4 days watching the show how many minutes should she watch each day?
- 4) Adam developed a game for phones that he sold for \$2. After the first week he discovered he had 7,272 downloads from girls and 3 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?
- 5) A developer was buying land. He bought 7 acres at \$1,611 per acre. He then split the land he purchased into 9 lots. How much should he sell each lot for just to break even?
- 6) Faye's mother had 14 small photo albums filled with 20 photos in each. In order to save some space she bought 2 larger albums with each album having 94 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) A restaurant owner bought 9 boxes of disposable cups for \$96, with each box containing 4,416 cups. If he wanted to divvy up the cups among his 4 restaurants, with each restaurant getting the same number of cups, how many cups should each store get?
- 8) Over the course of 19 weeks Vanessa collected 18 pounds of cans to recycle and Roger collected 6 times as much as Vanessa. Roger then put his collection into 9 bags to take to the recycling center. How many pounds of cans did Roger put into each bag?

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

**Solve each problem.**

- 1) A contractor bought 51 boxes of nails at a price of \$3 per box. Each box contained 25 nails. If he distributed the nails to the 5 houses he was building and made sure each house received the same number of nails, how many nails would each house get? 25×51
 $1,275 \div 5$
- 2) An industrial machine made 4,636 cans of diet sodas and 9 times as many regular sodas over the course of 41 minutes. The regular sodas were then placed into 2 shipping boxes with each shipping box containing the same number of sodas. How many regular sodas were in each shipping box? $4,636 \times 9$
 $41,724 \div 2$
- 3) Carol was planning to marathon watch episodes of her favorite show. The show had 12 episodes with each episode lasting exactly 27 minutes. If she planned to spend 4 days watching the show how many minutes should she watch each day? 12×27
 $324 \div 4$
- 4) Adam developed a game for phones that he sold for \$2. After the first week he discovered he had 7,272 downloads from girls and 3 times as many boys download the game. Of the boys who downloaded it he only had 1/8 who bought the full game. How many boys bought the full game? $7,272 \times 3$
 $21,816 \div 8$
- 5) A developer was buying land. He bought 7 acres at \$1,611 per acre. He then split the land he purchased into 9 lots. How much should he sell each lot for just to break even? $1,611 \times 7$
 $11,277 \div 9$
- 6) Faye's mother had 14 small photo albums filled with 20 photos in each. In order to save some space she bought 2 larger albums with each album having 94 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? 20×14
 $280 \div 2$
- 7) A restaurant owner bought 9 boxes of disposable cups for \$96, with each box containing 4,416 cups. If he wanted to divvy up the cups among his 4 restaurants, with each restaurant getting the same number of cups, how many cups should each store get? $4,416 \times 9$
 $39,744 \div 4$
- 8) Over the course of 19 weeks Vanessa collected 18 pounds of cans to recycle and Roger collected 6 times as much as Vanessa. Roger then put his collection into 9 bags to take to the recycling center. How many pounds of cans did Roger put into each bag? 18×6
 $108 \div 9$

Answers

1. 255
2. 20,862
3. 81
4. 2,727
5. 1,253
6. 140
7. 9,936
8. 12