

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

- 1) A contractor bought 51 boxes of nails at a price of \$3 per box. Each box contained 84 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?
- 2) A donation center had filled up 49 small bins with canned food with each bin containing 88 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?
- 3) Bianca was trying to save up \$424. At her job she made \$10 an hour and she worked 39 hours a week. After paying for her food and other expenditures she ended up only saving $\frac{1}{5}$ of her weeks earnings. How much money did she save up each week?
- 4) A developer was buying land. He bought 2 acres at \$1,424 per acre. He then split the land he purchased into 4 lots. How much should he sell each lot for just to break even?
- 5) At Tiffany's bakery over the course of a year she sold 36 birthday cakes for \$58 a cake. At the end of the year she determined that for each cake she sold she had spent $\frac{1}{6}$ of the sale price on ingredients. How much money did she spend on ingredients for cakes?
- 6) At a potato chip factory there were 60 machines working with each machine able to produce 56 chips a minute. If this is enough potato chips to fill 2 shipping boxes, how many chips are there per box?
- 7) Gwen's mother had 19 small photo albums filled with 21 photos in each. In order to save some space she bought 7 larger albums with each album having 86 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) While playing a game Paige defeated 3 enemies with each enemy defeated earning her 8,684 points. If she traded in all her points for 4 extra lives, how many points is it per life?

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



Solve each problem.

Answers

- | | |
|---|-----------------|
| 1) A contractor bought 51 boxes of nails at a price of \$3 per box. Each box contained 84 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? | 1. <u>612</u> |
| 2) A donation center had filled up 49 small bins with canned food with each bin containing 88 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? | 2. <u>539</u> |
| 3) Bianca was trying to save up \$424. At her job she made \$10 an hour and she worked 39 hours a week. After paying for her food and other expenditures she ended up only saving 1/5 of her weeks earnings. How much money did she save up each week? | 3. <u>78</u> |
| 4) A developer was buying land. He bought 2 acres at \$1,424 per acre. He then split the land he purchased into 4 lots. How much should he sell each lot for just to break even? | 4. <u>712</u> |
| 5) At Tiffany's bakery over the course of a year she sold 36 birthday cakes for \$58 a cake. At the end of the year she determined that for each cake she sold she had spent 1/6 of the sale price on ingredients. How much money did she spend on ingredients for cakes? | 5. <u>348</u> |
| 6) At a potato chip factory there were 60 machines working with each machine able to produce 56 chips a minute. If this is enough potato chips to fill 2 shipping boxes, how many chips are there per box? | 6. <u>1,680</u> |
| 7) Gwen's mother had 19 small photo albums filled with 21 photos in each. In order to save some space she bought 7 larger albums with each album having 86 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>57</u> |
| 8) While playing a game Paige defeated 3 enemies with each enemy defeated earning her 8,684 points. If she traded in all her points for 4 extra lives, how many points is it per life? | 8. <u>6,513</u> |