

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

- 1) A contractor bought 50 boxes of nails at a price of \$1 per box. Each box contained 40 nails. If he distributed the nails to the 2 houses he was building and made sure each house received the same number of nails, how many nails would each house get?
- 2) Edward and Maria were comparing their Halloween candy. Edward received 2 times as much candy as Maria received. Edward then split his candy evenly into 4 piles to eat later. If Maria received 72 ounces of candy, how many ounces of candy would be in each of Edward's piles?
- 3) Over the course of 16 weeks Haley collected 18 pounds of cans to recycle and Ned collected 8 times as much as Haley. Ned then put his collection into 9 bags to take to the recycling center. How many pounds of cans did Ned put into each bag?
- 4) At the flea market Victor found 3 buckets of LEGOs with each bucket containing 6,622 LEGO pieces. If he wanted to split the LEGO pieces into 7 piles, how many pieces should he put into each pile?
- 5) At a potato chip factory there were 83 machines working with each machine able to produce 63 chips a minute. If this is enough potato chips to fill 9 shipping boxes, how many chips are there per box?
- 6) Sarah was trying to save up \$405. At her job she made \$9 an hour and she worked 33 hours a week. After paying for her food and other expenditures she ended up only saving  $\frac{1}{9}$  of her weeks earnings. How much money did she save up each week?
- 7) A restaurant owner bought 7 boxes of disposable cups for \$78, with each box containing 3,400 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) Gwen's mother had 14 small photo albums filled with 20 photos in each. In order to save some space she bought 4 larger albums with each album having 21 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?

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Solve each problem.

**Answers**

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 1) A contractor bought 50 boxes of nails at a price of \$1 per box. Each box contained 40 nails. If he distributed the nails to the 2 houses he was building and made sure each house received the same number of nails, how many nails would each house get?                                                       | 1. <u>1,000</u> |
| 2) Edward and Maria were comparing their Halloween candy. Edward received 2 times as much candy as Maria received. Edward then split his candy evenly into 4 piles to eat later. If Maria received 72 ounces of candy, how many ounces of candy would be in each of Edward's piles?                                 | 2. <u>36</u>    |
| 3) Over the course of 16 weeks Haley collected 18 pounds of cans to recycle and Ned collected 8 times as much as Haley. Ned then put his collection into 9 bags to take to the recycling center. How many pounds of cans did Ned put into each bag?                                                                 | 3. <u>16</u>    |
| 4) At the flea market Victor found 3 buckets of LEGOs with each bucket containing 6,622 LEGO pieces. If he wanted to split the LEGO pieces into 7 piles, how many pieces should he put into each pile?                                                                                                              | 4. <u>2,838</u> |
| 5) At a potato chip factory there were 83 machines working with each machine able to produce 63 chips a minute. If this is enough potato chips to fill 9 shipping boxes, how many chips are there per box?                                                                                                          | 5. <u>581</u>   |
| 6) Sarah was trying to save up \$405. At her job she made \$9 an hour and she worked 33 hours a week. After paying for her food and other expenditures she ended up only saving 1/9 of her weeks earnings. How much money did she save up each week?                                                                | 6. <u>33</u>    |
| 7) A restaurant owner bought 7 boxes of disposable cups for \$78, with each box containing 3,400 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?                                                        | 7. <u>2,975</u> |
| 8) Gwen's mother had 14 small photo albums filled with 20 photos in each. In order to save some space she bought 4 larger albums with each album having 21 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. <u>70</u>    |