

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

- 1) A vat of orange juice was five hundred eighty-five pints. If you wanted to pour the vat into thirty-eight glasses with the same amount in each glass, how many pints would be in each glass?
- 2) A movie store had two hundred ninety-six movies they were putting on twenty-three shelves. If the owner wanted to make sure each shelf had the same number of movies how many more movies would he need?
- 3) A box of computer paper has five hundred eight sheets left in it. If each printer in a computer lab needed thirty-six sheets how many printers would the box fill up?
- 4) The roller coaster at the state fair costs thirty-two tickets per ride. If you had seven hundred thirty-three tickets, how many tickets would you have left if you rode it as many times as you could?
- 5) Edward has to sell five hundred sixty-two chocolate bars to win a trip. If each box contains twenty chocolate bars, how many boxes will he need to sell to win the trip?
- 6) Nancy had nine hundred thirty-six photos to put into a photo album. If each page holds thirty-eight photos, how many full pages will she have?
- 7) A builder needed to buy eight hundred sixteen boards for his latest project. If the boards he needs come in packs of thirteen, how many packages will he need to buy?
- 8) A clown needed three hundred forty-nine balloons for a party he was going to, but the balloons only came in packs of seventeen. How many packs of balloons would he need to buy?
- 9) An art museum had five hundred seventy pictures to split equally into thirty-two different exhibits. How many more pictures would they need to make sure each exhibit had the same amount?
- 10) An airline has nine hundred eighty-four pieces of luggage to put away. If each luggage compartment will hold fourteen pieces of luggage, how many will be in the compartment that isn't full?

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10. \_\_\_\_\_

**Solve each problem.**

- 1) A vat of orange juice was five hundred eighty-five pints. If you wanted to pour the vat into thirty-eight glasses with the same amount in each glass, how many pints would be in each glass?  
 $585\div 38 = 15 \text{ r}15$
- 2) A movie store had two hundred ninety-six movies they were putting on twenty-three shelves. If the owner wanted to make sure each shelf had the same number of movies how many more movies would he need?  
 $296\div 23 = 12 \text{ r}20$
- 3) A box of computer paper has five hundred eight sheets left in it. If each printer in a computer lab needed thirty-six sheets how many printers would the box fill up?  
 $508\div 36 = 14 \text{ r}4$
- 4) The roller coaster at the state fair costs thirty-two tickets per ride. If you had seven hundred thirty-three tickets, how many tickets would you have left if you rode it as many times as you could?  
 $733\div 32 = 22 \text{ r}29$
- 5) Edward has to sell five hundred sixty-two chocolate bars to win a trip. If each box contains twenty chocolate bars, how many boxes will he need to sell to win the trip?  
 $562\div 20 = 28 \text{ r}2$
- 6) Nancy had nine hundred thirty-six photos to put into a photo album. If each page holds thirty-eight photos, how many full pages will she have?  
 $936\div 38 = 24 \text{ r}24$
- 7) A builder needed to buy eight hundred sixteen boards for his latest project. If the boards he needs come in packs of thirteen, how many packages will he need to buy?  
 $816\div 13 = 62 \text{ r}10$
- 8) A clown needed three hundred forty-nine balloons for a party he was going to, but the balloons only came in packs of seventeen. How many packs of balloons would he need to buy?  
 $349\div 17 = 20 \text{ r}9$
- 9) An art museum had five hundred seventy pictures to split equally into thirty-two different exhibits. How many more pictures would they need to make sure each exhibit had the same amount?  
 $570\div 32 = 17 \text{ r}26$
- 10) An airline has nine hundred eighty-four pieces of luggage to put away. If each luggage compartment will hold fourteen pieces of luggage, how many will be in the compartment that isn't full?  
 $984\div 14 = 70 \text{ r}4$

**Answers**

1. **15**
2. **3**
3. **14**
4. **29**
5. **29**
6. **24**
7. **63**
8. **21**
9. **6**
10. **4**