

**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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Solve each problem.

		<u>Answers</u>
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?	$585 \div 38 = 15 \text{ r}15$	1. <u>15</u>
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?	$296 \div 23 = 12 \text{ r}20$	2. <u>3</u> 3. <u>14</u>
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. <u>29</u> 5. <u>29</u>
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?	$733 \div 32 = 22 \text{ r}29$	6. <u>24</u> 7. <u>63</u>
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?	$562 \div 20 = 28 \text{ r}2$	8. <u>21</u> 9. <u>6</u>
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?	$936 \div 38 = 24 \text{ r}24$	10. <u>4</u>
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?	$984 \div 14 = 70 \text{ r}4$	



Solve each problem.

3	29	14	6	4
21	63	24	29	15

**Answers**

- 1) A vat of orange juice was 585 pints. If you wanted to pour the vat into 38 glasses with the same amount in each glass, how many pints would be in each glass?
- 2) A movie store had 296 movies they were putting on 23 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 508 sheets left in it. If each printer in a computer lab needed 36 sheets how many printers would the box fill up?
- 4) The roller coaster at the state fair costs 32 tickets per ride. If you had 733 tickets, how many tickets would you have left if you rode it as many times as you could?
- 5) Edward has to sell 562 chocolate bars to win a trip. If each box contains 20 chocolate bars, how many boxes will he need to sell to win the trip?
- 6) Nancy had 936 photos to put into a photo album. If each page holds 38 photos, how many full pages will she have?
- 7) A builder needed to buy 816 boards for his latest project. If the boards he needs come in packs of 13, how many packages will he need to buy?
- 8) A clown needed 349 balloons for a party he was going to, but the balloons only came in packs of 17. How many packs of balloons would he need to buy?
- 9) An art museum had 570 pictures to split equally into 32 different exhibits. How many more pictures would they need to make sure each exhibit had the same amount?
- 10) An airline has 984 pieces of luggage to put away. If each luggage compartment will hold 14 pieces of luggage, how many will be in the compartment that isn't full?

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