

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

- 1) An airline has seven hundred nine pieces of luggage to put away. If each luggage compartment will hold nine pieces of luggage, how many will be in the compartment that isn't full?
- 2) Victor wanted to give each of his two friends an equal amount of candy. At the store he bought two hundred twenty-five pieces total to give to them. He many more pieces should he have bought so he didn't have any extra pieces?
- 3) A food company has seven hundred thirteen kilograms of food to put into boxes. If each box gets exactly two kilograms, how many full boxes will they have?
- 4) A box of computer paper has nine hundred forty-six sheets left in it. If each printer in a computer lab needed seven sheets how many printers would the box fill up?
- 5) An art museum had five hundred sixty-four pictures to split equally into five different exhibits. How many more pictures would they need to make sure each exhibit had the same amount?
- 6) A librarian had to pack nine hundred sixty books into boxes. If each box can hold seven books, how many boxes did she need?
- 7) A movie theater needed three hundred thirty-nine popcorn buckets. If each package has four buckets in it, how many packages will they need to buy?
- 8) Emily received three hundred fifty-three dollars for her birthday. Later she found some toys that cost four dollars each. How much money would she have left if she bought as many as she could?
- 9) A company had seven employees and ordered nine hundred twenty-seven uniforms for them. If they wanted to give each employee the same number of uniforms, how many more uniforms should they order so they don't have any extra?
- 10) Haley had four hundred fourteen songs on her mp3 player. If she wanted to put the songs equally into four different playlists, how many songs would she have left over?

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**Solve each problem.**

			Answers
1) An airline has seven hundred nine pieces of luggage to put away. If each luggage compartment will hold nine pieces of luggage, how many will be in the compartment that isn't full?	$709\div 9 = 78\text{ r}7$	1.	7
2) Victor wanted to give each of his two friends an equal amount of candy. At the store he bought two hundred twenty-five pieces total to give to them. He many more pieces should he have bought so he didn't have any extra pieces?	$225\div 2 = 112\text{ r}1$	2.	1
3) A food company has seven hundred thirteen kilograms of food to put into boxes. If each box gets exactly two kilograms, how many full boxes will they have?	$713\div 2 = 356\text{ r}1$	3.	356
4) A box of computer paper has nine hundred forty-six sheets left in it. If each printer in a computer lab needed seven sheets how many printers would the box fill up?	$946\div 7 = 135\text{ r}1$	4.	135
5) An art museum had five hundred sixty-four pictures to split equally into five different exhibits. How many more pictures would they need to make sure each exhibit had the same amount?	$564\div 5 = 112\text{ r}4$	5.	1
6) A librarian had to pack nine hundred sixty books into boxes. If each box can hold seven books, how many boxes did she need?	$960\div 7 = 137\text{ r}1$	6.	138
7) A movie theater needed three hundred thirty-nine popcorn buckets. If each package has four buckets in it, how many packages will they need to buy?	$339\div 4 = 84\text{ r}3$	7.	85
8) Emily received three hundred fifty-three dollars for her birthday. Later she found some toys that cost four dollars each. How much money would she have left if she bought as many as she could?	$353\div 4 = 88\text{ r}1$	8.	1
9) A company had seven employees and ordered nine hundred twenty-seven uniforms for them. If they wanted to give each employee the same number of uniforms, how many more uniforms should they order so they don't have any extra?	$927\div 7 = 132\text{ r}3$	9.	4
10) Haley had four hundred fourteen songs on her mp3 player. If she wanted to put the songs equally into four different playlists, how many songs would she have left over?	$414\div 4 = 103\text{ r}2$	10.	2



Solve each problem.

Answers

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138

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356

2

85

7

4

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135

- 1) An airline has 709 pieces of luggage to put away. If each luggage compartment will hold 9 pieces of luggage, how many will be in the compartment that isn't full?
- 2) Victor wanted to give each of his 2 friends an equal amount of candy. At the store he bought 225 pieces total to give to them. He many more pieces should he have bought so he didn't have any extra pieces?
- 3) A food company has 713 kilograms of food to put into boxes. If each box gets exactly 2 kilograms, how many full boxes will they have?
- 4) A box of computer paper has 946 sheets left in it. If each printer in a computer lab needed 7 sheets how many printers would the box fill up?
- 5) An art museum had 564 pictures to split equally into 5 different exhibits. How many more pictures would they need to make sure each exhibit had the same amount?
- 6) A librarian had to pack 960 books into boxes. If each box can hold 7 books, how many boxes did she need?
- 7) A movie theater needed 339 popcorn buckets. If each package has 4 buckets in it, how many packages will they need to buy?
- 8) Emily received 353 dollars for her birthday. Later she found some toys that cost 4 dollars each. How much money would she have left if she bought as many as she could?
- 9) A company had 7 employees and ordered 927 uniforms for them. If they wanted to give each employee the same number of uniforms, how many more uniforms should they order so they don't have any extra?
- 10) Haley had 414 songs on her mp3 player. If she wanted to put the songs equally into 4 different playlists, how many songs would she have left over?

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