

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

- 1) An art museum had three hundred seventy-three pictures to split equally into twenty-one different exhibits. How many more pictures would they need to make sure each exhibit had the same amount?
- 2) A box can hold seventeen brownies. If a baker made three hundred eighty brownies, how many full boxes of brownies did he make?
- 3) Each house a carpenter builds needs forty-six sinks. If he bought four hundred thirteen sinks, how many houses would that cover?
- 4) A recycling company had two hundred eighty-eight pounds of material to sort. To make it easier they split them into boxes with each full box having forty-four pounds, how many full boxes did they have?
- 5) A movie store had two hundred seventy-five movies they were putting on eighteen shelves. If the owner wanted to make sure each shelf had the same number of movies how many more movies would he need?
- 6) It takes twenty-three apples to make an apple pie. If a chef bought nine hundred fifty-two apples, the last pie would need how many more apples?
- 7) A movie theater needed one thousand seven popcorn buckets. If each package has forty-four buckets in it, how many packages will they need to buy?
- 8) A grocery store needed three hundred seventeen cans of peas. If the peas come in boxes with thirty cans in each box, how many boxes would they need to order?
- 9) Bianca is making bead necklaces. She wants to use five hundred twenty-nine beads to make fifteen necklaces. If she wants each necklace to have the same number of beads, how many beads will she have left over?
- 10) Faye received five hundred twenty-nine dollars for her birthday. Later she found some toys that cost fourteen dollars each. How much money would she have left if she bought as many as she could?

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Solve each problem.

		<u>Answers</u>
1) An art museum had three hundred seventy-three pictures to split equally into twenty-one different exhibits. How many more pictures would they need to make sure each exhibit had the same amount?	$373 \div 21 = 17 \text{ r}16$	1. <u>5</u>
2) A box can hold seventeen brownies. If a baker made three hundred eighty brownies, how many full boxes of brownies did he make?	$380 \div 17 = 22 \text{ r}6$	2. <u>22</u>
3) Each house a carpenter builds needs forty-six sinks. If he bought four hundred thirteen sinks, how many houses would that cover?	$413 \div 46 = 8 \text{ r}45$	3. <u>8</u>
4) A recycling company had two hundred eighty-eight pounds of material to sort. To make it easier they split them into boxes with each full box having forty-four pounds, how many full boxes did they have?	$288 \div 44 = 6 \text{ r}24$	4. <u>6</u>
5) A movie store had two hundred seventy-five movies they were putting on eighteen shelves. If the owner wanted to make sure each shelf had the same number of movies how many more movies would he need?	$275 \div 18 = 15 \text{ r}5$	5. <u>13</u>
6) It takes twenty-three apples to make an apple pie. If a chef bought nine hundred fifty-two apples, the last pie would need how many more apples?	$952 \div 23 = 41 \text{ r}9$	6. <u>14</u>
7) A movie theater needed one thousand seven popcorn buckets. If each package has forty-four buckets in it, how many packages will they need to buy?	$1007 \div 44 = 22 \text{ r}39$	7. <u>23</u>
8) A grocery store needed three hundred seventeen cans of peas. If the peas come in boxes with thirty cans in each box, how many boxes would they need to order?	$317 \div 30 = 10 \text{ r}17$	8. <u>11</u>
9) Bianca is making bead necklaces. She wants to use five hundred twenty-nine beads to make fifteen necklaces. If she wants each necklace to have the same number of beads, how many beads will she have left over?	$529 \div 15 = 35 \text{ r}4$	9. <u>4</u>
10) Faye received five hundred twenty-nine dollars for her birthday. Later she found some toys that cost fourteen dollars each. How much money would she have left if she bought as many as she could?	$529 \div 14 = 37 \text{ r}11$	10. <u>11</u>



Solve each problem.

8	22	11	6	5
4	14	13	11	23

Answers

- 1) An art museum had 373 pictures to split equally into 21 different exhibits. How many more pictures would they need to make sure each exhibit had the same amount?
- 2) A box can hold 17 brownies. If a baker made 380 brownies, how many full boxes of brownies did he make?
- 3) Each house a carpenter builds needs 46 sinks. If he bought 413 sinks, how many houses would that cover?
- 4) A recycling company had 288 pounds of material to sort. To make it easier they split them into boxes with each full box having 44 pounds, how many full boxes did they have?
- 5) A movie store had 275 movies they were putting on 18 shelves. If the owner wanted to make sure each shelf had the same number of movies how many more movies would he need?
- 6) It takes 23 apples to make an apple pie. If a chef bought 952 apples, the last pie would need how many more apples?
- 7) A movie theater needed 1007 popcorn buckets. If each package has 44 buckets in it, how many packages will they need to buy?
- 8) A grocery store needed 317 cans of peas. If the peas come in boxes with 30 cans in each box, how many boxes would they need to order?
- 9) Bianca is making bead necklaces. She wants to use 529 beads to make 15 necklaces. If she wants each necklace to have the same number of beads, how many beads will she have left over?
- 10) Faye received 529 dollars for her birthday. Later she found some toys that cost 14 dollars each. How much money would she have left if she bought as many as she could?

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