

**Use division to solve each problem.****Answers**

- 1) A recycling company had seventy-six pounds of material to sort. To make it easier they split them into boxes with each full box having nine pounds, how many full boxes did they have?
- 2) A restaurant needs to buy twenty-five new plates. If each box has three plates in it, how many boxes will they need to buy?
- 3) Isabel is making bead necklaces. She wants to use twenty-eight beads to make three necklaces. If she wants each necklace to have the same number of beads, how many beads will she have left over?
- 4) Lana had saved up nineteen quarters and decided to spend them on sodas. If it costs two quarters for each soda from a soda machine, how many more quarters would she need to buy the final soda?
- 5) A baker had nine boxes for donuts. He ended up making eighty-eight donuts and splitting them evenly between the boxes. How many extra donuts did he end up with?
- 6) A movie store had twenty-nine movies they were putting on four shelves. If the owner wanted to make sure each shelf had the same number of movies how many more movies would he need?
- 7) A librarian had to pack nineteen books into boxes. If each box can hold two books, how many boxes did she need?
- 8) An art museum had thirty pictures to split equally into four different exhibits. How many more pictures would they need to make sure each exhibit had the same amount?
- 9) A box of computer paper has sixty-two sheets left in it. If each printer in a computer lab needed nine sheets how many printers would the box fill up?
- 10) An airline has fifty-one pieces of luggage to put away. If each luggage compartment will hold eight pieces of luggage, how many will be in the compartment that isn't full?

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| | | | Answers |
|---|----------------------------|-----|----------------|
| 1) A recycling company had seventy-six pounds of material to sort. To make it easier they split them into boxes with each full box having nine pounds, how many full boxes did they have? | $76 \div 9 = 8 \text{ r}4$ | 1. | 8 |
| 2) A restaurant needs to buy twenty-five new plates. If each box has three plates in it, how many boxes will they need to buy? | $25 \div 3 = 8 \text{ r}1$ | 2. | 9 |
| 3) Isabel is making bead necklaces. She wants to use twenty-eight beads to make three necklaces. If she wants each necklace to have the same number of beads, how many beads will she have left over? | $28 \div 3 = 9 \text{ r}1$ | 3. | 1 |
| 4) Lana had saved up nineteen quarters and decided to spend them on sodas. If it costs two quarters for each soda from a soda machine, how many more quarters would she need to buy the final soda? | $19 \div 2 = 9 \text{ r}1$ | 4. | 1 |
| 5) A baker had nine boxes for donuts. He ended up making eighty-eight donuts and splitting them evenly between the boxes. How many extra donuts did he end up with? | $88 \div 9 = 9 \text{ r}7$ | 5. | 7 |
| 6) A movie store had twenty-nine movies they were putting on four shelves. If the owner wanted to make sure each shelf had the same number of movies how many more movies would he need? | $29 \div 4 = 7 \text{ r}1$ | 6. | 3 |
| 7) A librarian had to pack nineteen books into boxes. If each box can hold two books, how many boxes did she need? | $19 \div 2 = 9 \text{ r}1$ | 7. | 10 |
| 8) An art museum had thirty pictures to split equally into four different exhibits. How many more pictures would they need to make sure each exhibit had the same amount? | $30 \div 4 = 7 \text{ r}2$ | 8. | 2 |
| 9) A box of computer paper has sixty-two sheets left in it. If each printer in a computer lab needed nine sheets how many printers would the box fill up? | $62 \div 9 = 6 \text{ r}8$ | 9. | 6 |
| 10) An airline has fifty-one pieces of luggage to put away. If each luggage compartment will hold eight pieces of luggage, how many will be in the compartment that isn't full? | $51 \div 8 = 6 \text{ r}3$ | 10. | 3 |

**Use division to solve each problem.****Answers**

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8

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- 1) A recycling company had 76 pounds of material to sort. To make it easier they split them into boxes with each full box having 9 pounds, how many full boxes did they have?
- 2) A restaurant needs to buy 25 new plates. If each box has 3 plates in it, how many boxes will they need to buy?
- 3) Isabel is making bead necklaces. She wants to use 28 beads to make 3 necklaces. If she wants each necklace to have the same number of beads, how many beads will she have left over?
- 4) Lana had saved up 19 quarters and decided to spend them on sodas. If it costs 2 quarters for each soda from a soda machine, how many more quarters would she need to buy the final soda?
- 5) A baker had 9 boxes for donuts. He ended up making 88 donuts and splitting them evenly between the boxes. How many extra donuts did he end up with?
- 6) A movie store had 29 movies they were putting on 4 shelves. If the owner wanted to make sure each shelf had the same number of movies how many more movies would he need?
- 7) A librarian had to pack 19 books into boxes. If each box can hold 2 books, how many boxes did she need?
- 8) An art museum had 30 pictures to split equally into 4 different exhibits. How many more pictures would they need to make sure each exhibit had the same amount?
- 9) A box of computer paper has 62 sheets left in it. If each printer in a computer lab needed 9 sheets how many printers would the box fill up?
- 10) An airline has 51 pieces of luggage to put away. If each luggage compartment will hold 8 pieces of luggage, how many will be in the compartment that isn't full?

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