

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

- 1) Debby is making bead necklaces. She wants to use six hundred nine beads to make two necklaces. If she wants each necklace to have the same number of beads, how many beads will she have left over?
- 2) At the carnival, nine friends bought nine hundred seventy-seven tickets. If they wanted to split all the tickets so each friend got the same amount, how many more tickets would they need to buy?
- 3) A cafeteria was putting milk cartons into stacks. They had five hundred twenty-three cartons and were putting them into stacks with three cartons in each stack. How many full stacks could they make?
- 4) George had eight hundred eighty-five pieces of candy. If he wants to split the candy into seven bags with the same amount of candy in each bag, how many more pieces would he need to make sure each bag had the same amount?
- 5) There are nine hundred forty-three students going to a trivia competition. If each school van can hold two students, how many vans will they need?
- 6) An airline has eight hundred eighty-four 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?
- 7) It takes nine apples to make an apple pie. If a chef bought seven hundred forty-one apples, the last pie would need how many more apples?
- 8) A vat of orange juice was three hundred forty-two pints. If you wanted to pour the vat into four glasses with the same amount in each glass, how many pints would be in each glass?
- 9) A builder needed to buy nine hundred forty-six boards for his latest project. If the boards he needs come in packs of seven, how many packages will he need to buy?
- 10) A truck can hold five boxes. If you needed to move four hundred seventy-four boxes across town, how many trips would you need to make?

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| 1) Debby is making bead necklaces. She wants to use six hundred nine beads to make two necklaces. If she wants each necklace to have the same number of beads, how many beads will she have left over?                           | $609 \div 2 = 304 \text{ r}1$ | 1. <u>1</u>   |
| 2) At the carnival, nine friends bought nine hundred seventy-seven tickets. If they wanted to split all the tickets so each friend got the same amount, how many more tickets would they need to buy?                            | $977 \div 9 = 108 \text{ r}5$ | 2. <u>4</u>   |
| 3) A cafeteria was putting milk cartons into stacks. They had five hundred twenty-three cartons and were putting them into stacks with three cartons in each stack. How many full stacks could they make?                        | $523 \div 3 = 174 \text{ r}1$ | 3. <u>174</u> |
| 4) George had eight hundred eighty-five pieces of candy. If he wants to split the candy into seven bags with the same amount of candy in each bag, how many more pieces would he need to make sure each bag had the same amount? | $885 \div 7 = 126 \text{ r}3$ | 4. <u>4</u>   |
| 5) There are nine hundred forty-three students going to a trivia competition. If each school van can hold two students, how many vans will they need?  | $943 \div 2 = 471 \text{ r}1$ | 5. <u>472</u> |
| 6) An airline has eight hundred eighty-four 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?                                   | $884 \div 8 = 110 \text{ r}4$ | 6. <u>4</u>   |
| 7) It takes nine apples to make an apple pie. If a chef bought seven hundred forty-one apples, the last pie would need how many more apples?   | $741 \div 9 = 82 \text{ r}3$  | 7. <u>6</u>   |
| 8) A vat of orange juice was three hundred forty-two pints. If you wanted to pour the vat into four glasses with the same amount in each glass, how many pints would be in each glass?   | $342 \div 4 = 85 \text{ r}2$  | 8. <u>85</u>  |
| 9) A builder needed to buy nine hundred forty-six boards for his latest project. If the boards he needs come in packs of seven, how many packages will he need to buy?   | $946 \div 7 = 135 \text{ r}1$ | 9. <u>136</u> |
| 10) A truck can hold five boxes. If you needed to move four hundred seventy-four boxes across town, how many trips would you need to make?   | $474 \div 5 = 94 \text{ r}4$  | 10. <u>95</u> |