

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

- 1) Gwen had saved up seven hundred forty-two dimes and decided to spend them on sodas. If it costs four dimes for each soda from a soda machine, how many more dimes would she need to buy the final soda?
- 2) A recycling company had nine hundred sixty-four pounds of material to sort. To make it easier they split them into boxes with each full box having eight pounds, how many full boxes did they have?
- 3) A restaurant needs to buy nine hundred fifty-six new plates. If each box has six plates in it, how many boxes will they need to buy?
- 4) At the carnival, five friends bought seven hundred twenty-one tickets. If they wanted to split all the tickets so each person got the same amount, how many more tickets would they need to buy?
- 5) A truck can hold nine boxes. If you needed to move six hundred twenty-six boxes across town, how many trips would you need to make?
- 6) A cafeteria was putting milk cartons into stacks. They had one hundred seventeen cartons and were putting them into stacks with seven cartons in each sack. How many full stacks could they make?
- 7) Each house a carpenter builds needs three electric sockets. If he bought nine hundred eighty-eight sockets, how many houses would that cover?
- 8) A coat factory had four hundred sixty-six coats. If they wanted to put them into six boxes, with the same number of coats in each box, how many extra coats would they have left over?
- 9) A grocery store needed five hundred eighteen cans of peas. If the peas come in boxes with five cans in each box, how many boxes would they need to order?
- 10) Tickets for a concert cost four each. If you had seven hundred fifty dollars, how much money would you have left if you bought as many tickets as you could afford?

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| | | | Answers |
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| 1) Gwen had saved up seven hundred forty-two dimes and decided to spend them on sodas. If it costs four dimes for each soda from a soda machine, how many more dimes would she need to buy the final soda? | $742 \div 4 = 185 \text{ r}2$ | 1. | 2 |
| 2) A recycling company had nine hundred sixty-four pounds of material to sort. To make it easier they split them into boxes with each full box having eight pounds, how many full boxes did they have? | $964 \div 8 = 120 \text{ r}4$ | 2. | 120 |
| 3) A restaurant needs to buy nine hundred fifty-six new plates. If each box has six plates in it, how many boxes will they need to buy? | $956 \div 6 = 159 \text{ r}2$ | 3. | 160 |
| 4) At the carnival, five friends bought seven hundred twenty-one tickets. If they wanted to split all the tickets so each person got the same amount, how many more tickets would they need to buy? | $721 \div 5 = 144 \text{ r}1$ | 4. | 4 |
| 5) A truck can hold nine boxes. If you needed to move six hundred twenty-six boxes across town, how many trips would you need to make? | $626 \div 9 = 69 \text{ r}5$ | 5. | 70 |
| 6) A cafeteria was putting milk cartons into stacks. They had one hundred seventeen cartons and were putting them into stacks with seven cartons in each sack. How many full stacks could they make? | $117 \div 7 = 16 \text{ r}5$ | 6. | 16 |
| 7) Each house a carpenter builds needs three electric sockets. If he bought nine hundred eighty-eight sockets, how many houses would that cover? | $988 \div 3 = 329 \text{ r}1$ | 7. | 329 |
| 8) A coat factory had four hundred sixty-six coats. If they wanted to put them into six boxes, with the same number of coats in each box, how many extra coats would they have left over? | $466 \div 6 = 77 \text{ r}4$ | 8. | 4 |
| 9) A grocery store needed five hundred eighteen cans of peas. If the peas come in boxes with five cans in each box, how many boxes would they need to order? | $518 \div 5 = 103 \text{ r}3$ | 9. | 104 |
| 10) Tickets for a concert cost four each. If you had seven hundred fifty dollars, how much money would you have left if you bought as many tickets as you could afford? | $750 \div 4 = 187 \text{ r}2$ | 10. | 2 |

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

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| 2 | 120 | 4 | 16 | 70 |
| 2 | 4 | 329 | 104 | 160 |

- 1) Gwen had saved up 742 dimes and decided to spend them on sodas. If it costs 4 dimes for each soda from a soda machine, how many more dimes would she need to buy the final soda?
- 2) A recycling company had 964 pounds of material to sort. To make it easier they split them into boxes with each full box having 8 pounds, how many full boxes did they have?
- 3) A restaurant needs to buy 956 new plates. If each box has 6 plates in it, how many boxes will they need to buy?
- 4) At the carnival, 5 friends bought 721 tickets. If they wanted to split all the tickets so each person got the same amount, how many more tickets would they need to buy?
- 5) A truck can hold 9 boxes. If you needed to move 626 boxes across town, how many trips would you need to make?
- 6) A cafeteria was putting milk cartons into stacks. They had 117 cartons and were putting them into stacks with 7 cartons in each sack. How many full stacks could they make?
- 7) Each house a carpenter builds needs 3 electric sockets. If he bought 988 sockets, how many houses would that cover?
- 8) A coat factory had 466 coats. If they wanted to put them into 6 boxes, with the same number of coats in each box, how many extra coats would they have left over?
- 9) A grocery store needed 518 cans of peas. If the peas come in boxes with 5 cans in each box, how many boxes would they need to order?
- 10) Tickets for a concert cost 4 each. If you had 750 dollars, how much money would you have left if you bought as many tickets as you could afford?

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