

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

- 1) Bianca had six hundred fifteen pennies. She wanted to place the pennies into forty-six stacks, with the same amount in each stack. How many more pennies would she need so all the stacks would be equal?
- 2) Edward's dad bought eight hundred twenty-eight centimeters of string. If he wanted to cut the string into pieces with each piece being forty-eight centimeters long, how many full sized pieces could he make?
- 3) An airline has nine hundred eighty-two pieces of luggage to put away. If each luggage compartment will hold twenty-two pieces of luggage, how many will be in the compartment that isn't full?
- 4) A recycling company had two hundred sixty-seven pounds of material to sort. To make it easier they split them into boxes with each full box having eighteen pounds, how many full boxes did they have?
- 5) There are seven hundred seventy-eight students going to a trivia competition. If each school bus can hold thirty-eight students, how many buses will they need?
- 6) A new video game console needs thirty-three computer chips. If a machine can create eight hundred twenty-four computer chips a day, how many video game consoles can be created in a day?
- 7) A coat factory had nine hundred sixty-seven coats. If they wanted to put them into twenty-four boxes, with the same number of coats in each box, how many extra coats would they have left over?
- 8) Tom was trying to beat his old score of five hundred eighty-seven points in a video game. If he scores exactly twenty points each round, how many rounds would he need to play to beat his old score?
- 9) Dave bought six hundred sixty-three pieces of candy to give to twelve of his friends. If he wants to give each friend the same amount, how many pieces would he have left over?
- 10) Kaleb had nine hundred seventy-five pieces of candy. If he wants to split the candy into thirty bags with the same amount of candy in each bag, how many more pieces would he need so that each bag had the same amount?

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- 1) Bianca had six hundred fifteen pennies. She wanted to place the pennies into forty-six stacks, with the same amount in each stack. How many more pennies would she need so all the stacks would be equal? $615 \div 46 = 13 \text{ r}17$
- 2) Edward's dad bought eight hundred twenty-eight centimeters of string. If he wanted to cut the string into pieces with each piece being forty-eight centimeters long, how many full sized pieces could he make? $828 \div 48 = 17 \text{ r}12$
- 3) An airline has nine hundred eighty-two pieces of luggage to put away. If each luggage compartment will hold twenty-two pieces of luggage, how many will be in the compartment that isn't full? $982 \div 22 = 44 \text{ r}14$
- 4) A recycling company had two hundred sixty-seven pounds of material to sort. To make it easier they split them into boxes with each full box having eighteen pounds, how many full boxes did they have? $267 \div 18 = 14 \text{ r}15$
- 5) There are seven hundred seventy-eight students going to a trivia competition. If each school bus can hold thirty-eight students, how many buses will they need? $778 \div 38 = 20 \text{ r}18$
- 6) A new video game console needs thirty-three computer chips. If a machine can create eight hundred twenty-four computer chips a day, how many video game consoles can be created in a day? $824 \div 33 = 24 \text{ r}32$
- 7) A coat factory had nine hundred sixty-seven coats. If they wanted to put them into twenty-four boxes, with the same number of coats in each box, how many extra coats would they have left over? $967 \div 24 = 40 \text{ r}7$
- 8) Tom was trying to beat his old score of five hundred eighty-seven points in a video game. If he scores exactly twenty points each round, how many rounds would he need to play to beat his old score? $587 \div 20 = 29 \text{ r}7$
- 9) Dave bought six hundred sixty-three pieces of candy to give to twelve of his friends. If he wants to give each friend the same amount, how many pieces would he have left over? $663 \div 12 = 55 \text{ r}3$
- 10) Kaleb had nine hundred seventy-five pieces of candy. If he wants to split the candy into thirty bags with the same amount of candy in each bag, how many more pieces would he need so that each bag had the same amount? $975 \div 30 = 32 \text{ r}15$

Answers

1. **29**
2. **17**
3. **14**
4. **14**
5. **21**
6. **24**
7. **7**
8. **30**
9. **3**
10. **15**



Solve each problem.

Answers

24

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