

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

- 1) Robin is making bead necklaces. She wants to use six hundred thirty-two beads to make twenty-eight necklaces. If she wants each necklace to have the same number of beads, how many beads will she have left over?
- 2) A truck can hold twenty-three boxes. If you needed to move nine hundred twenty-four boxes across town, how many trips would you need to make?
- 3) Mike's dad bought three hundred two 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?
- 4) A post office has seven hundred fifty-two pieces of junk mail they want to split evenly between forty-three mail trucks. How many extra pieces of junk mail will they have if they give each truck the same amount?
- 5) A movie theater needed four hundred eighteen popcorn buckets. If each package has forty-seven buckets in it, how many packages will they need to buy?
- 6) Tom bought five hundred eighty-seven pieces of candy to give to twenty-seven of his friends. If he wants to give each friend the same amount, how many pieces would he have left over?
- 7) A recycling company had five hundred sixty-seven pounds of material to sort. To make it easier they split them into boxes with each full box having sixteen pounds, how many full boxes did they have?
- 8) Emily had saved up seven hundred eighty-four dimes and decided to spend them on sodas. If it costs thirty-eight dimes for each soda from a soda machine, how many more dimes would she need to buy the final soda?
- 9) A movie store had two hundred sixty-nine movies they were putting on twenty-four shelves. If the owner wanted to make sure each shelf had the same number of movies without any extra, how many more movies would he need?
- 10) A librarian had to pack eight hundred fifteen books into boxes. If each box can hold fourteen books, how many boxes did she need?

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 $632 \div 28 = 22 \text{ r}16$
- 2) A truck can hold twenty-three boxes. If you needed to move nine hundred twenty-four boxes across town, how many trips would you need to make?  
 $924 \div 23 = 40 \text{ r}4$
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 $302 \div 48 = 6 \text{ r}14$
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 $752 \div 43 = 17 \text{ r}21$
- 5) A movie theater needed four hundred eighteen popcorn buckets. If each package has forty-seven buckets in it, how many packages will they need to buy?  
 $418 \div 47 = 8 \text{ r}42$
- 6) Tom bought five hundred eighty-seven pieces of candy to give to twenty-seven of his friends. If he wants to give each friend the same amount, how many pieces would he have left over?  
 $587 \div 27 = 21 \text{ r}20$
- 7) A recycling company had five hundred sixty-seven pounds of material to sort. To make it easier they split them into boxes with each full box having sixteen pounds, how many full boxes did they have?  
 $567 \div 16 = 35 \text{ r}7$
- 8) Emily had saved up seven hundred eighty-four dimes and decided to spend them on sodas. If it costs thirty-eight dimes for each soda from a soda machine, how many more dimes would she need to buy the final soda?  
 $784 \div 38 = 20 \text{ r}24$
- 9) A movie store had two hundred sixty-nine movies they were putting on twenty-four shelves. If the owner wanted to make sure each shelf had the same number of movies without any extra, how many more movies would he need?  
 $269 \div 24 = 11 \text{ r}5$
- 10) A librarian had to pack eight hundred fifteen books into boxes. If each box can hold fourteen books, how many boxes did she need?  
 $815 \div 14 = 58 \text{ r}3$

**Answers**

1. 16
2. 41
3. 6
4. 21
5. 9
6. 20
7. 35
8. 14
9. 19
10. 59



Solve each problem.

**Answers**

16

59

35

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14

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21

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41

19

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