

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

- 1) A school had eight hundred seventy-six } students sign up for the trivia teams. If they wanted to have seventeen team, with the same number of students on each team, how many more students would need to sign up?
- 2) Sarah wanted to drink exactly forty-five bottles of water each day, so she bought nine hundred twenty-seven } bottles when they were on sale. How many more bottles will she need to buy on the last day?
- 3) Victor has to sell four hundred sixty-five } chocolate bars to win a trip. If each box contains seventeen chocolate bars, how many boxes will he need to sell to win the trip?
- 4) Carol had four hundred forty-nine } songs on her mp3 player. If she wanted to put the songs equally into thirty-seven different playlists, how many songs would she have left over?
- 5) Billy is trying to earn nine hundred forty-one } dollars for some new toys. If he charges forty-six dollars to mow a lawn, how many lawns will he need to mow to earn the money?
- 6) There are seven hundred ninety-one } people attending a luncheon. If a table can hold forty-four people, how many tables do they need?
- 7) Each house a carpenter builds needs thirteen sinks. If he bought three hundred fifty-two } sinks, how many houses would that cover?
- 8) Gwen is making bead necklaces. She wants to use four hundred seventy-seven } beads to make forty-five necklaces. If she wants each necklace to have the same number of beads, how many beads will she have left over?
- 9) A recycling company had four hundred thirty-six } pounds of material to sort. To make it easier they split them into boxes with each full box having twenty-four pounds, how many full boxes did they have?
- 10) The roller coaster at the state fair costs twenty-three tickets per ride. If you had two hundred fifteen } tickets, how many tickets would you have left if you rode it as many times as you could?

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**Solve each problem.**

			<u>Answers</u>
1) A school had eight hundred seventy-six } students sign up for the trivia teams. If they wanted to have seventeen team, with the same number of students on each team, how many more students would need to sign up?	$876\div 17 = 51 \text{ r}9$	1.	<u>8</u>
2) Sarah wanted to drink exactly forty-five bottles of water each day, so she bought nine hundred twenty-seven } bottles when they were on sale. How many more bottles will she need to buy on the last day?	$927\div 45 = 20 \text{ r}27$	2.	<u>18</u>
3) Victor has to sell four hundred sixty-five } chocolate bars to win a trip. If each box contains seventeen chocolate bars, how many boxes will he need to sell to win the trip?	$465\div 17 = 27 \text{ r}6$	3.	<u>28</u>
4) Carol had four hundred forty-nine } songs on her mp3 player. If she wanted to put the songs equally into thirty-seven different playlists, how many songs would she have left over?	$449\div 37 = 12 \text{ r}5$	4.	<u>5</u>
5) Billy is trying to earn nine hundred forty-one } dollars for some new toys. If he charges forty-six dollars to mow a lawn, how many lawns will he need to mow to earn the money?	$941\div 46 = 20 \text{ r}21$	5.	<u>21</u>
6) There are seven hundred ninety-one } people attending a luncheon. If a table can hold forty-four people, how many tables do they need?	$791\div 44 = 17 \text{ r}43$	6.	<u>18</u>
7) Each house a carpenter builds needs thirteen sinks. If he bought three hundred fifty-two } sinks, how many houses would that cover?	$352\div 13 = 27 \text{ r}1$	7.	<u>27</u>
8) Gwen is making bead necklaces. She wants to use four hundred seventy-seven } beads to make forty-five necklaces. If she wants each necklace to have the same number of beads, how many beads will she have left over?	$477\div 45 = 10 \text{ r}27$	8.	<u>27</u>
9) A recycling company had four hundred thirty-six } pounds of material to sort. To make it easier they split them into boxes with each full box having twenty-four pounds, how many full boxes did they have?	$436\div 24 = 18 \text{ r}4$	9.	<u>18</u>
10) The roller coaster at the state fair costs twenty-three tickets per ride. If you had two hundred fifteen } tickets, how many tickets would you have left if you rode it as many times as you could?	$215\div 23 = 9 \text{ r}8$	10.	<u>8</u>

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

27	18	27	18	18
28	8	21	5	8

- 1) A school had 876 students sign up for the trivia teams. If they wanted to have 17 team, with the same number of students on each team, how many more students would need to sign up?
- 2) Sarah wanted to drink exactly 45 bottles of water each day, so she bought 927 bottles when they were on sale. How many more bottles will she need to buy on the last day?
- 3) Victor has to sell 465 chocolate bars to win a trip. If each box contains 17 chocolate bars, how many boxes will he need to sell to win the trip?
- 4) Carol had 449 songs on her mp3 player. If she wanted to put the songs equally into 37 different playlists, how many songs would she have left over?
- 5) Billy is trying to earn 941 dollars for some new toys. If he charges 46 dollars to mow a lawn, how many lawns will he need to mow to earn the money?
- 6) There are 791 people attending a luncheon. If a table can hold 44 people, how many tables do they need?
- 7) Each house a carpenter builds needs 13 sinks. If he bought 352 sinks, how many houses would that cover?
- 8) Gwen is making bead necklaces. She wants to use 477 beads to make 45 necklaces. If she wants each necklace to have the same number of beads, how many beads will she have left over?
- 9) A recycling company had 436 pounds of material to sort. To make it easier they split them into boxes with each full box having 24 pounds, how many full boxes did they have?
- 10) The roller coaster at the state fair costs 23 tickets per ride. If you had 215 tickets, how many tickets would you have left if you rode it as many times as you could?

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