Solve each problem.

1) A lawn mowing company had to mow one-fourth of a mile of grass. To make it quicker, they split the amount evenly between 8 workers. What fraction of the mile did each person mow?

2) A bakery used one-fifth of a bag of chocolate chips to make 3 batches of cookies. How much of the bag did they use for each batch?

3) A container of 8 metal beams weighed one-eighth of a ton. If every beam weighed the same amount, how heavy was each?

4) A farmer was dividing up his one-fifth of an acre of land between his 9 children. Since each child got the same amount of land, what fraction of the acre did each get?

5) A moving company had one-seventh of a ton of weight to move across town. If they wanted to split it equally amongst 7 trips, how much weight would they have on each trip?

6) Robin had picked 7 bags of oranges. How many glasses of orange juice could she make if each glass took one-seventh of a bag?

7) A store had 8 boxes of video games. How many days would it take to sell the games if each day they sold one-half of a box?

8) A glass of water was one-third of a liter. How many glasses would it take to fill up a 2 liter jug?

9) A water hose used one-fourth of a gallon of water every second. If Olivia need to fill up 6 gallon sized containers, how many seconds would it take?

10) How many one-fourth cup servings are in 7 cups of pecans?

11) A toy plush weighed one-fourth of a pound. A flimsy box can hold 6 pounds. How many toy plushes could the box hold?

12) Tiffany was trying to collect 6 pounds of cans to recycle. If she collects one-fifth of a pound each day, how many days will it take to collect 6 pounds?

13) Jerry used one-sixth of a cup of sugar to make a pitcher of lemonade. If he were to pour the lemonade into 5 smaller glasses how much sugar would be in each glass?
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Answers

1. \( \frac{1}{32} \)

2. \( \frac{1}{15} \)

3. \( \frac{1}{64} \)

4. \( \frac{1}{45} \)

5. \( \frac{1}{49} \)

6. 49

7. 16

8. 6

9. 24

10. 28

11. 24

12. 30

13. \( \frac{1}{30} \)
### Unit Fraction Word Problems

Solve each problem.

<table>
<thead>
<tr>
<th>16</th>
<th>24</th>
<th>28</th>
<th>$\frac{1}{45}$</th>
<th>$\frac{1}{49}$</th>
<th>$\frac{1}{64}$</th>
<th>$\frac{1}{15}$</th>
<th>6</th>
<th>49</th>
<th>$\frac{1}{32}$</th>
</tr>
</thead>
</table>

1) A lawn mowing company had to mow $\frac{1}{4}$ of a mile of grass. To make it quicker, they split the amount evenly between 8 workers. What fraction of the mile did each person mow?

2) A bakery used $\frac{1}{5}$ of a bag of chocolate chips to make 3 batches of cookies. How much of the bag did they use for each batch?

3) A container of 8 metal beams weighed $\frac{1}{6}$ of a ton. If every beam weighed the same amount, how heavy was each?

4) A farmer was dividing up his $\frac{1}{2}$ of an acre of land between his 9 children. Since each child got the same amount of land, what fraction of the acre did each get?

5) A moving company had $\frac{1}{7}$ of a ton of weight to move across town. If they wanted to split it equally amongst 7 trips, how much weight would they have on each trip?

6) Robin had picked 7 bags of oranges. How many glasses of orange juice could she make if each glass took $\frac{1}{7}$ of a bag?

7) A store had 8 boxes of video games. How many days would it take to sell the games if each day they sold $\frac{1}{2}$ of a box?

8) A glass of water was $\frac{1}{3}$ of a liter. How many glasses would it take to fill up a 2 liter jug?

9) A water hose used $\frac{1}{4}$ of a gallon of water every second. If Olivia need to fill up 6 gallon sized containers, how many seconds would it take?

10) How many $\frac{1}{4}$ cup servings are in 7 cups of pecans?