Unit Fraction Word Problems

Solve each problem.

1) 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?

2) A car wash had to make their soap last 3 days. If they only have one-sixth of a gallon of soap, how much should they use each day so it lasts 3 days?

3) A chef used one-half of a bag of potatoes for a meal. If the potatoes fed 2 people, what fraction of the bag did each person get?

4) A glass of water was one-ninth of a liter. How many glasses would it take to fill up a 4 liter jug?

5) A container of 7 metal beams weighed one-half of a ton. If every beam weighed the same amount, how heavy was each?

6) Vanessa was trying to collect 8 pounds of cans to recycle. If she collects one-third of a pound each day, how many days will it take to collect 8 pounds?

7) Olivia had picked 8 bags of oranges. How many glasses of orange juice could she make if each glass took one-ninth of a bag?

8) A toy plush weighed one-ninth of a pound. A flimsy box can hold 8 pounds. How many toy plushes could the box hold?

9) A bag of walnuts was 5 pounds. How many one-eighth of a pound servings are there in a bag?

10) An artist was able to draw one-eighth of a picture every hour. If he needed to paint 9 pictures for an art show, how many hours would it take him?

11) An aquarium had 9 tons of fish food. How many months would it take them to use it all if they used one-half of a ton each month?

12) At a restaurant 3 people were at a table when the waiter brought out one-ninth of a bowl of cheese dip. If they split the bowl evenly, how much would each person get?

13) A farmer was dividing up his one-half of an acre of land between his 6 children. Since each child got the same amount of land, what fraction of the acre did each get?

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

1-10	92	85	77	69	62	54	46	38	31	23
11-13	15	8	0							

Name:

Solve each problem.

Answers

1) 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?

1. $\frac{1}{15}$

2) A car wash had to make their soap last 3 days. If they only have one-sixth of a gallon of soap, how much should they use each day so it lasts 3 days?

2. $\frac{1}{18}$

3. $\frac{1}{4}$

3) A chef used one-half of a bag of potatoes for a meal. If the potatoes fed 2 people, what fraction of the bag did each person get?

4. **36**

5. $\frac{1}{14}$

4) A glass of water was one-ninth of a liter. How many glasses would it take to fill up a 4 liter jug?

6. **24**

5) A container of 7 metal beams weighed one-half of a ton. If every beam weighed the same amount, how heavy was each?

7. **72**

8. **72**

6) Vanessa was trying to collect 8 pounds of cans to recycle. If she collects one-third of a pound each day, how many days will it take to collect 8 pounds?

9. **40**

7) Olivia had picked 8 bags of oranges. How many glasses of orange juice could she make if each glass took one-ninth of a bag?

10. **72**

11. **18**

8) A toy plush weighed one-ninth of a pound. A flimsy box can hold 8 pounds. How many toy plushes could the box hold?

12. $\frac{1}{27}$

9) A bag of walnuts was 5 pounds. How many one-eighth of a pound servings are there in a bag?

13. $\frac{1}{12}$

10) An artist was able to draw one-eighth of a picture every hour. If he needed to paint 9 pictures for an art show, how many hours would it take him?

11) An aquarium had 9 tons of fish food. How many months would it take them to use it all if they used one-half of a ton each month?

12) At a restaurant 3 people were at a table when the waiter brought out one-ninth of a bowl of cheese dip. If they split the bowl evenly, how much would each person get?

13) A farmer was dividing up his one-half of an acre of land between his 6 children. Since each child got the same amount of land, what fraction of the acre did each get?

2

1-10	92	85	77	69	62	54	46	38	31	23
11-13	15	8	0							

Solve each problem.

| $\frac{1}{18}$ | $\frac{1}{14}$ | 72 | 72 | $\frac{1}{15}$ |
| 24 | $\frac{1}{4}$ | 40 | 36 | 72 |

1. _____

2. _____

1) 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. _____

2) A car wash had to make their soap last 3 days. If they only have $\frac{1}{6}$ of a gallon of soap, how much should they use each day so it lasts 3 days?

4. _____

5. _____

3) A chef used $\frac{1}{2}$ of a bag of potatoes for a meal. If the potatoes fed 2 people, what fraction of the bag did each person get?

6. _____

7. _____

4) A glass of water was $\frac{1}{9}$ of a liter. How many glasses would it take to fill up a 4 liter jug?

8. _____

9. _____

5) A container of 7 metal beams weighed $\frac{1}{2}$ of a ton. If every beam weighed the same amount, how heavy was each?

10. _____

6) Vanessa was trying to collect 8 pounds of cans to recycle. If she collects $\frac{1}{3}$ of a pound each day, how many days will it take to collect 8 pounds?

7) Olivia had picked 8 bags of oranges. How many glasses of orange juice could she make if each glass took $\frac{1}{9}$ of a bag?

8) A toy plush weighed $\frac{1}{9}$ of a pound. A flimsy box can hold 8 pounds. How many toy plushes could the box hold?

9) A bag of walnuts was 5 pounds. How many $\frac{1}{8}$ of a pound servings are there in a bag?

10) An artist was able to draw $\frac{1}{8}$ of a picture every hour. If he needed to paint 9 pictures for an art show, how many hours would it take him?