

## The Math in Charlie and the Chocolate Factory

By Roald Dahl

1. Charlie and his family lived in a house with how many rooms in it?
2. How many people were in Charlie Bucket's family?
3. Mr. Bucket worked at a toothpaste factory where he screwed the little caps onto the tops of the toothpaste tubes. If Mr. Bucket screwed on 100 toothpaste tops an hr, how many would he screw on in an 8 hr day?
4. How many toothpaste tubes would he screw on in a 5 day work week?
5. Charlie and his family ate A LOT of cabbage. How many times a day did they eat cabbage?
6. If at every meal, Mrs. Bucket used 3 heads of cabbage, how many heads of cabbage would she buy in a week?
7. How many Golden Tickets did Mr. Wonka hide?
8. How much does a Wonka Chocolate Bar cost?
9. How many Wonka Bars could a person buy with \$20?
10. If each of the children with a Golden Ticket brought 2 guests, how many people would tour the Willy Wonka Chocolate Factory?
11. The Oompa-Loompas loved what type of bean the most?
12. How many beans did they find in a year? How many would they find in 12 years?
13. If it took Mr. Wonka's Great Gum Machine 1 hr and 30 minutes to make one piece of the Chewing Gum Meal that Violet was begging to try, how long would it take to make a 12 piece pack of Gum?
14. How many kinds of pets does Veruca Salt have at home?
15. If Veruca took one squirrel from the Nut Room, how many squirrels would be left?
16. How much candy power does Mr. Wonka's Elevator run on?
17. How many children and their family members entered the Chocolate Factory?
18. How many people, not counting Oompa-Loompa's, will now live at the Chocolate Factory?

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### Answer Key

19. Charlie and his family lived in a house with how many rooms in it? 2
20. How many people were in Charlie Bucket's family? 7
21. Mr. Bucket worked at a toothpaste factory where he screwed the little caps onto the tops of the toothpaste tubes. If Mr. Bucket screwed on 100 toothpaste tops an hr, how many would he screw on in an 8 hr day? 800 toothpaste caps
  
22. How many toothpaste tubes would he screw on in a 5 day work week? 4,000
  
23. Charlie and his family ate A LOT of cabbage. How many times a day did they eat cabbage? 2
24. If at every meal, Mrs. Bucket used 3 heads of cabbage, how many heads of cabbage would she buy in a week? 42 Heads of Cabbage
  
25. How many Golden Tickets did Mr. Wonka hide? 5
26. How much does a Wonka Chocolate Bar cost? 10 Cents
27. How many Wonka Bars could a person buy with \$20? 200 Candy Bars
  
28. If each of the children with a Golden Ticket brought 2 guests, how many people would tour the Willy Wonka Chocolate Factory? 15
  
29. The Oompa-Loompas loved what type of bean the most? Cacao Beans
30. How many beans did they find in a year? How many would they find in 12 years?  
3-4 beans a year/36-48 beans in 12 years
31. If it took Mr. Wonka's Great Gum Machine 1 hr and 30 minutes to make one piece of the Chewing Gum Meal that Violet was begging to try, how long would it take to make a 12 piece pack of Gum? 18 hrs
  
32. How many kinds of pets does Veruca Salt have at home? 10
33. If Veruca took one squirrel from the Nut Room, how many squirrels would be left? 99 Squirrels
34. How much candy power does Mr. Wonka's Elevator run on? 1 Million
35. How many children and their family members entered the Chocolate Factory? 14 people
36. How many people, not counting Oompa-Loompa's, will now live at the Chocolate Factory? 8