

Cut the Cake

46A

"Congratulations!" everyone yelled as Mum placed the cake in front of Dad.

"This is so thoughtful of you all. Thank you!" Dad said. Everyone had gathered to **celebrate** his new job. "And you got my favourite kind of cake!" he exclaimed.

"Of course we did, Dad. Now cut the cake!" Sharon pleaded.

Dad was about to start cutting the cake into pieces when he stopped to think. He needed to cut one round cake into pieces of **equal** size so that everyone would get some. He counted a total of ten people in the room, but he decided to ask if everyone would like a piece of cake.

Everyone said they would like some except John. He was too full from dinner. "So just nine people would like cake. How should I cut this?" Dad asked

Sharon and Billy. He knew they had been studying **fractions** at school.

"Cut it into ninths," said Billy.

"That way everyone gets one of the nine pieces," Sharon agreed.

"Wow, you guys are clever!" Dad said. "Do you think I should start by cutting the cake into thirds so that all the pieces will be of equal size?"

"How would that work?" Billy asked.

"It works because I will cut three equal pieces out of each third," Dad explained.



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Comprehension Questions

46B

1. What helps Sharon, Billy and Dad know how to cut the cake?
 - a. multiplication
 - b. percents
 - c. fractions
2. One of the nine pieces of cake is
 - a. one-third.
 - b. one-ninth.
 - c. three-ninths.
3. If all nine pieces of cake are of **equal** size, they are all
 - a. the same size.
 - b. bigger than the next.
 - c. smaller than the next.

4. Dad cuts the cake into thirds. How many more cuts will make ninths?
 - a. four
 - b. five
 - c. six



5. Which of the following fractions is the largest?
 - a. one-third
 - b. one-ninth
 - c. two-ninths