



Name _____ Date _____

Too Much Information

CA Standards
MR 1.1, NS 3.0

You will write a fraction to solve a problem.

Hilary decorated a birthday cake with birthday candles. The cake has 6 blue candles and 3 green candles. There are 11 candles remaining in the box. All 20 of the candles are the same size. What fraction of the candles on the cake are green?

Step 1 Decide what information you need to solve the problem. For this problem, you need to know how many candles are on the cake, and how many of these are green. There are 9 candles on the cake, and 3 of these are green.

Step 3 Now make a plan. You need to write a fraction that shows how many of the candles on the cake are green. Write the number of candles on the cake in the denominator. Write the number of green candles on the cake in the numerator.

Step 2 Point out information that is not needed. You don't need to know how many candles are in the box, or the size of the candles.

Solution: $\frac{3}{9}$ of the candles on the cake are green.

Solve. Tell what information is not needed to solve the problem.

- George and 2 friends wanted to eat popcorn at the basketball game. A bag of popcorn costs \$2.50. George paid \$5 for 2 bags of popcorn. Each of the three boys ate the same amount of popcorn. What fraction of the total amount of popcorn did each boy eat?

- Marco's parents gave him \$5 to spend. Marco learned that a large bag of peanuts cost \$3, a small bag of peanuts cost \$2, and a piece of fruit cost 50 cents. Marco bought a large bag of peanuts and 2 apples. What fraction of the total amount of money did Marco spend?



Writing Math Explain how you knew that certain details in problem 2 were not needed.