THE ELIMINATION

Round	# Teams Eliminated	Fraction of Total Teams	Decimal Amount of Total Teams	Percent of Total Teams
First				
Second				
Third [Sweet Sixteen]				
Fourth [Elite Eight]				
Fifth [Final Four]				
Sixth [Championship]				

1. Find the number of teams eliminated after each round.

2. What fraction of teams is eliminated after each round? Record your data in the table.

3. Change each fraction to a decimal and percent.

4. Do you see any patterns in the way teams are eliminated? Describe what you notice.

_____

_____

5. Use this information to determine how many more teams are needed if **one more round** was added to the tournament. _____

6. Describe the pattern in the fraction of teams eliminated.

_____

_____

_____

7. Use this information to determine what fraction of the teams would be eliminated if **two more rounds** were added to the tournament.

_____

8. Add all the fractions in your table together. How many more rounds will it take until they equal 1? Explain your answer.

_____

9. Use the information you found in #8 to **predict the sum of the decimal and percent columns**. Justify your answers.

My prediction for the sum of all decimals _____

Justification: _____

My prediction for the sum of all percents _____

Justification: _____

10. Find the sum of the decimal column. Show your work below.

11. Find the sum of the percent column. Show your work below.

12. How do each of these answers (#10 and #11) compare to your predictions?