

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.

Decimal sum prediction_____

Justification:

Percent sum prediction_____

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?

THE ELIMINATION!!

ROUND	# TEAMS ELIMINATED	FRACTION OF TOTAL TEAMS	DECIMAL AMOUNT OF TOTAL TEAMS	PERCENT OF TOTAL TEAMS
FIRST				
SECOND				
THIRD				
FOURTH				
FIFTH				
SIXTH				

1. Find the number of teams eliminated after each round.
2. Tell what fraction of the teams are eliminated after each round. Record your data in the table above.
3. Change each fraction to a decimal and percent.

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4. Do you see any patterns in the way teams are eliminated? Describe what you see.
 5. Use this information to determine how many teams are necessary if one more round were 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.