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**IDAHO EXTENDED CONTENT STANDARDS**  
**MATHEMATICS**

**Standard 5: Data Analysis, Probability, and Statistics (continued)**

Goals:	Kindergarten	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Grade 9	Grade 10
<b>Goal 5.4: Understand basic concepts of probability.</b>	No objectives at this grade level.	No objectives at this grade level.	No objectives at this grade level.	No objectives at this grade level.	4.M.5.4.1.A Predict the results of simple probability experiments using coins or spinners (e.g., 3 out of 6 choices).	5.M.5.4.1.A Predict results of simple probability experiments using coins and spinners.	6.M.5.4.1.A Perform and record results of simple probability experiments.	7.M.5.4.1.A Perform and record results of simple probability experiments.	8.M.5.4.1.A Reproduce a situation of probability using a common example of coin toss or rolling of dice.	9.M.5.4.1.A Find probability based on an independent event (Lottery).	10.M.5.4.1.A Find probability based on a dependent event (Deal or No Deal).
								7.M.5.4.2.A Recognize equally likely outcomes.	8.M.5.4.2.A Recognize equally likely outcomes.		
								7.M.5.4.3.A Identify events that have probability ranges from low to high extremes.	8.M.5.4.3.A. Match probability range from low to high to situations.	9.M.5.4.2.A Recognize the difference between experimental (large number of trials) and theoretical (mathematical formula) probability.	10.M.5.4.2.A Recognize the difference between experimental (large number of trials) and theoretical (mathematical formula) probability.
							5.M.5.4.2.A Use the language of probability.	6.M.5.4.2.A Use the language of probability.	7.M.5.4.4.A Use the language of probability.	8.M.5.4.4.A Use the language of probability.	
<b>Goal 5.5: Make predictions or decisions based on data.</b>	No objectives at this grade level.	No objectives at this grade level.	No objectives at this grade level.	3.M.5.5.1A Make predictions based on data.	4.M.5.5.1 A Make predictions based on data.	5.M.5.5.1.A Make predictions based on data.	6.M.5.5.1A Make predictions based on data.	7.M.5.5.1A Recognize predictions based on simple theoretical probabilities.	8.M.5.5.1A Recognize predictions based on experimental probabilities.	9.M.5.5.1.A Make predictions based on randomness, chance, equally likely events, or probability.	10.M.5.5.1A Make predictions based on randomness, chance, equally likely events, or probability.
									8.M.5.5.2.A Perform a statistical experiment and interpret results using tables, charts, or graphs.	9.M.5.5.2.A Perform statistical experiments and use tables, charts, or graphs to make predictions or decisions based on data.	10.M.5.5.2.A Perform statistical experiments and use tables, charts, or graphs to make predictions or decisions based on data.
								7.M.5.5.2 A Use appropriate vocabulary.	8.M.5.5.3 A Use appropriate vocabulary.	9.M.5.5.3.A Conduct and interpret results of statistical experiments.	10.M.5.5.3.A Conduct and interpret results of statistical experiments.



















