

GRADE 8 Statistics and Probability Specific Outcomes	Key Concepts in Measurement underpinning Curriculum Outcomes from FSIM: Data Management and Probability Resource Book	Sample Diagnostic Tasks and Activities	Sample Learning Tasks Selected from FSIM: Data Management and Probability Resource Book (link to online document)	Math Station Ideas:
SP8.1 Analyze the modes of displaying data and the reasonableness of conclusions.	Collect and Organize Data KU2: • We can produce data by counting or measuring things, asking groups of people, watching what happens, or reworking existing data. Collect and Organize Data KU3: • Organizing data in different ways may tell us different things. Summarize and Represent Data KU1: • We can display data visually; some graphs and plots show how many or how much is in each category or group. Summarize and Represent Data KU5: • How we display our data depends on the kind of data we have and our purpose.		Data Management and Probability, pages 112-113 • If the World Were a Village • Cereal Survey 1, 2, 3 • What Kind of Response? Data Management and Probability, pages 123 • Graphing Data Management and Probability, pages 165-169 • Pictographs • Height of Vertical Bars • Comparing Graphs 1, 2 • Histograms • Bars and Histograms • Comparing Data • Stem Plots 1, 2 • Pie Graph Data Management and Probability, pages 204-206 • Which Type of Graph? • Computer Graphing • Sports Preferences • Pie Graph	“Who’s In Our Village?” p. 329 TS-CM 6-8 Using Appropriate Graphs (slide show with questions) Types of Graphs (link to website/information)

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SP8.2 Demonstrate understanding of the probability of independent events concretely, pictorially, orally, and symbolically.	Understand Probability KU1: • Some things we are sure will or will not happen and other things we are unsure about. Understand Probability KU3: • We can compare and order things by whether they are more or less likely to happen. Understand Probability KU4: • We say things have an equal chance of happening when we think they will happen equally often in the long run.		Data Management and Probability, 31 • Coloured Tiles • Chance Cards 1, 2 Data Management and Probability, pages 49-51 • Ordering Spinners • Which One? • Different Spinners • Cards • Influencing Events • Make a Spinner • Spinners • Chance Situations Data Management and Probability, 62- • Outcomes • Weather Conditions • Choosing Socks • Collections • Chance Spin • Why Is It Fair?	“Design and Trade Bags” p. 357 TS-CM 6-8 “Drop It!” p. 362 TS-CM 6-8 Khan Academy: Statistics and Probability (online interactive) Probability: Independent Events (online interactive) The Game of SKUNK (link to instructions)

	Understand Probability KU5: • We can use numbers to describe how likely something is to happen.		Data Management and Probability, 69- • Rating the Chances • Word Sort • Ordering Spinners • Percentages • Sorting Percentages	
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