

Mathematics Grade 7 Statistics and Probability (SP)				
Outcome	1 - Beginning The student is having difficulty demonstrating an understanding of the concept.	2 – Approaching The student is developing an understanding of the concept.	3 – Meeting The student consistently demonstrates an understanding of the concept or has achieved the concept.	4- Exemplary The student independently demonstrates an in-depth understanding of the concept, and consistently applies this knowledge to new situations.
SP7.1 I can demonstrate an understanding of the measures of central tendency and range for sets of data. [C, CN, PS, R, T]	<ul style="list-style-type: none"> I can explain what mean, median, mode, and range are. 	<ul style="list-style-type: none"> Given a list of numbers, I can determine the mean, median, mode, and range of the data. 	<ul style="list-style-type: none"> Given a problem involving a set of data, I can explain which measure of central tendency would be most appropriate to use, and defend my position. 	<ul style="list-style-type: none"> I am able to solve and create complex word problems that involve measures of central tendency.
	<ul style="list-style-type: none"> I can explain what an outlier is. 	<ul style="list-style-type: none"> Given a list of numbers, I can identify any outliers and explain why I included or excluded them. 	<ul style="list-style-type: none"> I am able to explain an outlier's effect on a set of data. 	<ul style="list-style-type: none"> I can decide whether outliers need to be included in a list of data, and justify my decision.
Comments				

Mathematics Grade 7

Statistics and Probability (SP)

Outcome	1 - Beginning The student is having difficulty demonstrating an understanding of the concept.	2 – Approaching The student is developing an understanding of the concept.	3 – Meeting The student consistently demonstrates an understanding of the concept or has achieved the concept.	4- Exemplary The student independently demonstrates an in-depth understanding of the concept, and consistently applies this knowledge to new situations.
SP7.2 Demonstrate an understanding of circle graphs. [C, CN, PS, R, T, V]	<ul style="list-style-type: none"> With help, I can identify some the common attributes of circle graphs, including: <ul style="list-style-type: none"> title, label or legend; sum of the central angles data reported as a percent of the total, sum of the percents being equal to 100%. 	<ul style="list-style-type: none"> I can identify several the common attributes of circle graphs, including: <ul style="list-style-type: none"> title, label or legend; sum of the central angles data reported as a percent of the total, sum of the percents being equal to 100%. 	<ul style="list-style-type: none"> I can identify all the common attributes of circle graphs, including: <ul style="list-style-type: none"> title, label or legend; sum of the central angles data reported as a percent of the total, sum of the percents being equal to 100%. 	<ul style="list-style-type: none"> I can compare the appearance and content of circle graphs in a variety of print and electronic media.
Comments				

Mathematics Grade 7

Statistics and Probability (SP)

Outcome	1 - Beginning The student is having difficulty demonstrating an understanding of the concept.	2 – Approaching The student is developing an understanding of the concept.	3 – Meeting The student consistently demonstrates an understanding of the concept or has achieved the concept.	4- Exemplary The student independently demonstrates an in-depth understanding of the concept, and consistently applies this knowledge to new situations.
SP7.3 Demonstrate an understanding of theoretical and experimental probabilities for two independent events where the combined sample space has 36 or fewer elements. [C, ME, PS R, T]	<ul style="list-style-type: none"> • I am able to explain what the word “outcome” means. 	<ul style="list-style-type: none"> • I am able to provide at least one of the possible outcomes of two independent events. (Ex. Flipping a coin and pulling one of four different coloured marbles out of a bag.) 	<ul style="list-style-type: none"> • I can create a table or a tree diagram to show the sample space for the all of the outcomes of two independent events. 	<ul style="list-style-type: none"> • I can solve problems based on the sample space of at least two independent events.
Comments:				