

Mathematics - Grade 8

Item	Performance Indicator	Standard
1	Attends to teacher and materials in environment.	Standard 1: Students engage in the mathematical processes of problem solving and reasoning, estimation, communication, connections and applications, and using appropriate technology.
2	Positions numbers on a number line.	Standard 2: Students demonstrate understanding of and an ability to use numbers and operations.
3	Demonstrate an understanding of the concepts of some/more/less/take away/ all gone/no more/less.	Standard 2: Students demonstrate understanding of and an ability to use numbers and operations.
4	Chooses correct strategies or procedures to solve a number problem.	Standard 2: Students demonstrate understanding of and an ability to use numbers and operations.
5	Produces fractional parts of whole unit and vice versa.	Standard 2: Students demonstrate understanding of and an ability to use numbers and operations.
6	Attends to teacher and materials in environment.	Standard 1: Students engage in the mathematical processes of problem solving and reasoning, estimation, communication, connections and applications, and using appropriate technology.
7	Demonstrates/communicates what the relationship is between elements.	Standard 3: Students use algebraic concepts, processes, and language to model and solve a variety of real-world and mathematical problems.
8	Shows a relationship between two variables, using ordered pairs or a table; then makes a table.	Standard 3: Students use algebraic concepts, processes, and language to model and solve a variety of real-world and mathematical problems.
9	Given a numerical relationship between two variables, finds the value of one given the other.	Standard 3: Students use algebraic concepts, processes, and language to model and solve a variety of real-world and mathematical problems.
10	Supplies the missing number represented by a blank number sentence, in which the operation might be +, -, or \times .	Standard 3: Students use algebraic concepts, processes, and language to model and solve a variety of real-world and mathematical problems.

11	Attends to teacher and materials in environment.	Standard 1: Students engage in the mathematical processes of problem solving and reasoning, estimation, communication, connections and applications, and using appropriate technology.
12	Identifies tools associated with measurement.	Standard 5: Students demonstrate understanding of measurable attributes and an ability to use measurement processes.
13	Uses rulers to measure objects that are a whole number of inches or centimeters.	Standard 5: Students demonstrate understanding of measurable attributes and an ability to use measurement processes.
14	Uses words to compare distances or lengths.	Standard 5: Students demonstrate understanding of measurable attributes and an ability to use measurement processes.
15	Chooses correct strategies or procedures to solve a measurement problem, measured correctly.	Standard 5: Students demonstrate understanding of measurable attributes and an ability to use measurement processes.
16	Attends to teacher and materials in environment.	Standard 1: Students engage in the mathematical processes of problem solving and reasoning, estimation, communication, connections and applications, and using appropriate technology.
17	Determines which questions to ask to gain information.	Standard 6: The students demonstrate understanding of and an ability to use data analysis, probability, and statistics.
18	Creates a simple graph, frequency plot, or frequency table using real objects and/or symbols.	Standard 6: The students demonstrate understanding of and an ability to use data analysis, probability, and statistics.
19	Sets up a graph (i.e., labels axes, provides title).	Standard 6: The students demonstrate understanding of and an ability to use data analysis, probability, and statistics.
20	Uses simple tables, charts, or graphs to represent meaningful data.	Standard 6: The students demonstrate understanding of and an ability to use data analysis, probability, and statistics.
21	Attends to teacher and materials in environment.	Standard 1: Students engage in the mathematical processes of problem solving and reasoning, estimation, communication, connections and applications, and using appropriate technology.

22	Describes features of the data.	Standard 6: The students demonstrate understanding of and an ability to use data analysis, probability, and statistics.
23	Determines which category had the most/least.	Standard 6: The students demonstrate understanding of and an ability to use data analysis, probability, and statistics.
24	Makes decisions based on data, a table or graph.	Standard 6: The students demonstrate understanding of and an ability to use data analysis, probability, and statistics.
25	Explains/shows how decisions were made using a table or graph.	Standard 6: The students demonstrate understanding of and an ability to use data analysis, probability, and statistics.