

Mathematics - Grade 10

Item	Performance Indicator	Standard
1	Attends to another person demonstrating concrete materials.	Standard 2: Students demonstrate understanding of and an ability to use numbers and operations.
2	Demonstrates the concept of one.	Standard 2: Students demonstrate understanding of and an ability to use numbers and operations.
3	Demonstrates that a collection of objects has a quantity.	Standard 2: Students demonstrate understanding of and an ability to use numbers and operations.
4	Demonstrates an understanding of addition as combining collections of things.	Standard 2: Students demonstrate understanding of and an ability to use numbers and operations.
5	Determines whether the numbers of identical objects in two structured groups are the same or different; which group has more; and chooses the correct strategies or procedures to solve a number problem.	Standard 2: Students demonstrate understanding of and an ability to use numbers and operations.
6	Attends to another person reviewing a weekly budget chart; anticipates the beginning of a math activity; and attends to materials being displayed.	Standard 1: Students engage in the mathematical processes of problem solving and reasoning, estimation, communication, connections and applications, and using appropriate technology.
7	Matches bills and their values.	Standard 2: Students demonstrate understanding of and an ability to use numbers and operations.
8	Uses different bill combinations to show equivalent amounts.	Standard 2: Students demonstrate understanding of and an ability to use numbers and operations.
9	Determines how much more money is needed when funds are insufficient.	Standard 2: Students demonstrate understanding of and an ability to use numbers and operations.
10	Determines change when funds are more than cost.	Standard 2: Students demonstrate understanding of and an ability to use numbers and operations.
11	Attends to another person showing relationships between two variables, using objects, pictures, symbols, or numbers.	Standard 3: Students use algebraic concepts, processes, and language to model and solve a variety of real-world and mathematical problems.

12	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.
13	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.
14	Uses or extends a T-table to find the value of a variable.	Standard 3: Students use algebraic concepts, processes, and language to model and solve a variety of real-world and mathematical problems.
15	Demonstrates an understanding of division, using concrete materials.	Standard 2: Students demonstrate understanding of and an ability to use numbers and operations.
16	Attends to another person reviewing a series of functional signs representing different shapes; anticipates the beginning of a math activity; and attends to materials being displayed.	Standard 1: Students engage in the mathematical processes of problem solving and reasoning, estimation, communication, connections and applications, and using appropriate technology.
17	Recognizes properties of two-dimensional shapes.	Standard 4: Students demonstrate understanding of shape and an ability to use geometry.
18	Identifies circles, squares, triangles, ovals, and rectangles regardless of their orientation or general shape.	Standard 4: Students demonstrate understanding of shape and an ability to use geometry.
19	Follows navigational directions.	Standard 4: Students demonstrate understanding of shape and an ability to use geometry.
20	Recalls shapes and their relative positions after they have been viewed for only a brief period of time.	Standard 4: Students demonstrate understanding of shape and an ability to use geometry.
21	Attends to another person making patterns and to a person describing patterns.	Standard 7: Students demonstrate understanding of and an ability to use patterns, relations and functions.
22	Groups/sorts objects into sets.	Standard 7: Students demonstrate understanding of and an ability to use patterns, relations and functions.
23	Demonstrates that objects defined by a shared attribute form a set to which a number can be applied.	Standard 7: Students demonstrate understanding of and an ability to use patterns, relations and functions.

24	Models mathematical problems.	Standard 7: Students demonstrate understanding of and an ability to use patterns, relations and functions.
25	Uses models, tables, and graphs to make decisions.	Standard 7: Students demonstrate understanding of and an ability to use patterns, relations and functions.