

2nd Grade BIE Essential Math Standards

Interim 1 Standards

1. M.BIES.2.NBT.A.01	The Highly Proficient student can describe and create a number from 0-999 using ones, tens, and hundreds. (4-6 days)
2. M.BIES.2.NBT.A.02	The Highly Proficient student can skip count by 5's, 10's, and 100's to 1000. (4-6 days)
3. M.BIES.2.NBT.A.03	The Highly Proficient student can show numbers by using standard form, written form, expanded notation, and models. (4-6 days)
4. M.BIES.2.NBT.B.05a	The Highly Proficient student can fluently add whole numbers and solve word problems within 1000 with and without regrouping. (4-6 days)
5. M.BIES.2.NBT.B.06	The Highly Proficient student can add up to three two-digit numbers using strategies based on place value and properties of operations. (4-6 days)
6. M.BIES.2.NBT.B.07	The Highly Proficient student can demonstrate understanding of addition and subtraction within 1000, connecting objects or drawings to strategies based on place value (including multiples of 10), properties of operations, and/or the relationship between addition and subtraction. Relate the strategy to a written form. (4-6 days)
7. M.BIES.2.NBT.B.08	The Highly Proficient student can add or subtract by 10's or 100's using mental math. (4-6 days)
8. M.BIES.2.NBT.B.09	The Highly Proficient student can explain why addition and subtraction strategies work, using place value and the properties of operations. (Explanations may be supported by drawings or objects.) (4-6 days)
9. M.BIES.2.OA.B.02	The Highly Proficient student can fluently add and subtract within 20. By end of Grade 2, know from memory all sums of two one-digit numbers. (4-6 days)
10. M.BIES.2.OA.C.03	The Highly Proficient student can distinguish between odd and even numbers and justify their reasoning. (4-6 days)

Interim 2 Standards

1. M.BIES.2.G.A.01	The Highly Proficient student can compare and draw polygons based on specific attributes.
2. M.BIES.2.G.A.03	The Highly Proficient student can divide circles and rectangles into fractions beyond fourths, compare two fraction visual models using symbols, and justify using the correct vocabulary.
3. M.BIES.2.MD.C.08	The Highly Proficient student will use the least number of coins and bills to show an amount of money up to \$100.00.
4. M.BIES.2.NBT.A.04	The Highly Proficient student can create and compare expressions using words or symbols, then justify their thinking.
5. M.BIES.2.NBT.B.05b	The Highly Proficient student can fluently subtract numbers and solve word problems within 1000 with and without regrouping.
6. M.BIES.2MD.A.01a	The Highly Proficient student can measure the length, weight, and capacity of an object using the appropriate customary tool.

7.	M.BIES.2.MD.A.01b	The Highly Proficient student can measure the length, mass, and capacity of an object using the appropriate metric tool.
8.	M.BIES.2.MD.A.02	The Highly Proficient student can measure the length of an object twice, using different standard length units for the two measurements; describe how the two measurements relate to the size of the unit chosen. Understand that depending on the size of the unit, the number of units for the same length varies.
9.	M.BIES.2.MD.A.03	The Highly Proficient student can estimate lengths using units of inches, feet, centimeters, and meters.
10.	M.BIES.2.MD.A.04	The Highly Proficient student can measure to determine how much longer one object is than another, expressing the length difference in terms of a standard length unit.
Interim 3 Standards		
1.	M.BIES.2.MD.B.05	The Highly Proficient student can solve addition and subtraction word problems for an unknown number involving same units of measurement.
2.	M.BIES.2.MD.B.06	The Highly Proficient student can represent whole numbers as lengths from 0 on a number line diagram with equally spaced points corresponding to the numbers 0, 1, 2, ... , and represent whole-number sums and differences within 100 on a number line diagram.
3.	M.BIES.2.MD.C.07	The Highly Proficient student can tell and write time to the nearest minute using a.m. and p.m.
4.	M.BIES.2.MD.C.09	The Highly Proficient student can generate measurement data by measuring lengths of several objects to the nearest whole unit, or by making repeated measurements of the same object.
5.	M.BIES.2.G.A.02	M.BIES.2.G.A.02: The Highly Proficient student can create four different figures with an area of 24 and recognize that multiplication can be used to find area (area = length x width).
6.	M.BIES.2.MD.D.10	M.BIES.2.MD.D.10: The Highly Proficient student can create a survey to collect data, record, organize, and display the data using different types of graphs. They can also create word problems with solutions for each of their graphs.
7.	M.BIES.2.OA.A.01	The Highly Proficient student can create a word problem and solve it by creating an equation; then explain the steps used throughout the process.
8.	M.BIES.2.OA.C.04	The Highly Proficient student can arrange objects into equal rows and columns, and write a multiplication equation using the information created with the array.