A.B.E. Math: IISP for TABE 11/12® Level M

Student: _____ I.D.: _____

Teacher: _____ Course: _____ Date: _____

CURRENT TESTING INFORMATION

Test Date: _____

Current Test Level: ☐ E

Current Test Form: ☐ 11 ☐ 12

NRS & Scale Score: ☐ NRS 2 (449-495)
☐ NRS 3 (496-536)

Points needed for Next Level: _____

POST-TESTING INFORMATION

Target Post-test Date: _____

NTA Test Level: _____

NTA Form: _____

Target NRS Level: _____

Min. Target Scale Score: _____

Total Test Items: Forms 11 & 12: 40

Total Testing Time: Forms 11 & 12: 65 min.

Domain: Measurement & Data (15%)

Total Items: Forms 11 & 12: 6

Total Points: Forms 11 & 12: 6

Proficiency: ☐ Non-proficiency
☐ Partial proficiency
☐ Proficiency

Minimum points required for proficiency:
Form 11: 5 & Form 12: 5

Mastery (Check Skills Demonstrated)	**TABE Skills**	**Mastery Date**
☐	Extend the use of measuring tools to include measuring angles with protractors	
☐	Explore and create squares and rectangles with the same areas and different perimeters and with the same perimeters and different areas	
☐	Create line plots from given data sets and explain simple characteristics	
☐	Use visual representations of arithmetic operations to bridge the concrete to the abstract (e.g., number line diagrams, area models, etc.)	
☐	Measure angles to the nearest degree using a protractor and create angles with given measures	
☐	Find the missing side length of a rectangle given one side length and the area or perimeter	
☐	Extend the idea of using unit squares to find areas of rectangles to using unit cubes to find volumes of rectangular prisms	
☐	Use line plots to solve simple addition and subtraction problems	
☐	Use properties of complementary and supplementary angles to find missing angle measures in diagrams	
☐	Find the missing dimension of a rectangular prism when given the other dimensions and the volume	
☐	Find volumes of rectangular prisms by counting unit cubes and by multiplying the side lengths (using the volume formula)	
☐	Use line plots to solve multi-step addition, subtraction, multiplication, and division problems	
☐	Use the properties of angles to write and solve equations in one variable to find missing angle measures in diagrams	
☐	Create rectangular prisms with different dimensions and volumes that are the same	
☐	Convert from a larger unit of measure to a smaller unit of measure	

Domain: Numbers & Operations – Fractions (20%)

Total Items: Forms 11 & 12: 7
Total Points: Form 11: 7 & Form 12: 8

Proficiency:
- ☐ Non-proficiency
- ☐ Partial proficiency
- ☐ Proficiency

Minimum points required for proficiency:
Forms 11: 7 & Form 12: 7

Mastery (Check Skills Demonstrated)	TABE Skills	Mastery Date
☐	Use multiple representations to create equivalent fractions, especially with denominators other than 1, 2, 3, 4, 6, and 8	
☐	Compose and decompose fractions using addition and subtraction	
☐	Compare fractions with different numerators and denominators by reasoning about their sizes (using benchmark fractions)	
☐	Solve simple, one-step, real-world problems involving addition and subtraction of fractions with the same denominators	
☐	Express the division of two whole numbers as a fraction in a real-world context	
☐	Use visual representations to create models of decimals and connect these to fractions	
☐	Use visual representations to compare decimals to the hundredths place	
☐	Solve simple, one-step, real-world problems involving addition and subtraction of fractions with different denominators	
☐	Express repeated addition of unit fractions as multiplication expressions (e.g., 1/5 + 1/5 + 1/5 = 3 x 1/5 = 3/5)	
☐	Use visual representations to show division of a whole number by a unit fraction	
☐	Solve simple, one-step, real-world problems involving addition or subtraction of fractions with different denominators or multiplication or division involving a unit fraction	
☐	Reason about the size of a product in relation to one of its factors given information about the other factor (e.g., fraction greater than, equal to, or less than 1)	
☐	Use visual representations to show division of a unit fraction by a whole number	
☐	Solve real-world problems involving addition, subtraction, multiplication, or division of fractions with different denominators	

Domain: Numbers & Operations – Base Ten (15%)

Total Items: Forms 11 & 12: 5
Total Points: Form 11: 6 & Form 12: 5

Proficiency:
- ☐ Non-proficiency
- ☐ Partial proficiency
- ☐ Proficiency

Minimum points required for proficiency:
Form 11: 6; Form 12: 5

Mastery (Check Skills Demonstrated)	TABE Skills	Mastery Date
☐	Create and use multiple representations of addition and subtraction of multi-digit numbers, including those with more than three digits, based on place value and connect these representations to the standard algorithms (especially where regrouping is required)	
☐	Investigate the relationship between skip counting and multiplication and division	
☐	Create and use multiple representations of multi-digit decimals based on place value	
☐	Use various strategies for adding numbers with up to four digits	
☐	Use various strategies to multiply three- and four-digit numbers by one-digit numbers	
☐	Create models of decimals and use decimal notation	
☐	Round multi-digit numbers to the thousands and ten thousands places and examine the values of the digits in each place	
☐	Use various strategies for adding numbers, including decimals, with up to six digits	
☐	Use various strategies to multiply two-, three-, and four- digit numbers by one-, two-, and three-digit numbers	
☐	Use various strategies to divide two-, three-, and four- digit numbers by one- and two-digit numbers	
☐	Compare decimals to the thousandths place	
☐	Compare the values of digits in multi-digit numbers and observing patterns	

Domain: Numbers & Operations – Base Ten (Continued)

Mastery (Check Skills Demonstrated)	TABE Skills	Mastery Date
☐	Create and use multiple representations of addition and subtraction of multi-digit numbers, including those with more than three digits, based on place value and connect these representations to the standard algorithms (especially where regrouping is required)	
☐	Use various strategies to divide two-, three-, and four-digit numbers by one- and two-digit numbers	
☐	Create and use models for decimals and use properties of operations to add and subtract decimals to the hundredths place	
☐	Create and use models for decimals and use properties of operations to multiply and divide decimals to the hundredths place	
☐	Examine the relationships between decimals, fractions, and whole numbers	

Domain: Operations & Algebraic Thinking (12%)

Total Items: Forms 11 & 12: 4
Total Points: Forms 11 & 12: 5

Proficiency:
☐ Non-proficiency
☐ Partial proficiency
☐ Proficiency

Minimum points required for proficiency:
Forms 11 & 12: 5

Mastery (Check Skills Demonstrated)	TABE Skills	Mastery Date
☐	Solve multi-step, real-world problems involving addition, subtraction, multiplication, and/or division of whole numbers while using visual representations to show the process	
☐	Write and solve expressions and equations to represent real-world situations	
☐	Create, compare, and analyze multiple solution strategies and representations to investigate the relationship between multiplication and division of whole numbers	
☐	Write and solve multi-step, real-world problems involving addition, subtraction, multiplication, division, and grouping symbols	
☐	Solve multi-step equations involving addition, subtraction, multiplication, division, and grouping symbols without context	
☐	Use expressions and equations to represent multiplicative relationships expressed in words	
☐	Write and use two-step equations involving addition, subtraction, multiplication, division, and grouping symbols that represent real-world situations	
☐	Create number patterns with addition rules to investigate how they relate to multiplication and division	
☐	Identify prime and composite numbers	
☐	Write multi-step equations with rational numbers involving addition, subtraction, multiplication, division, and grouping symbols to represent real-world situations and use them to solve problems	
☐	Create and analyze number patterns with addition rules to investigate how they relate to multiplication and division	
☐	Investigate patterns and properties of prime and composite numbers	

Domain: Geometry (14%)

Total Items: Forms 11 & 12: 4
Total Points: Form 11: 6 & Form 12: 5

Proficiency:
☐ Non-proficiency
☐ Partial proficiency
☐ Proficiency

Minimum points required for proficiency:
Forms 11 & 12: 5

Mastery (Check Skills Demonstrated)	TABE Skills	Mastery Date
☐	Distinguish common and non-common attributes of pairs or groups of shapes	
☐	Recognize points, lines, line segments, angles, and parallel and perpendicular lines in polygons and in diagrams other than those of polygons	
☐	Recognize points, lines, line segments, angles, and parallel and perpendicular lines in the coordinate plane	
☐	Recognize points, lines, line segments, and angles and their relationships to each other (e.g., a point lies on a line) when presented in polygons and diagrams	

Domain: Geometry (Continued)

Mastery (Check Skills Demonstrated)	TABE Skills	Mastery Date
☐	Identify and create nets for given prisms and pyramids	
☐	Identify coordinates of points and plot points with whole number coordinates in the first quadrant of the coordinate plane	
☐	Distinguish common and non-common attributes of pairs or groups of shapes using pictures, diagrams, and words	
☐	Draw polygons with vertices at whole number coordinates in the coordinate plane	
☐	Name parts of ordered pairs and what they describe (e.g., x-coordinate, y-coordinate)	
☐	Plot points and draw polygons with integer coordinates in the coordinate plane	
☐	Recognize and use right triangles drawn in the coordinate plane to solve problems	
☐	Explore the effects of simple transformations (90 or 180 degree rotations, reflections, and translations) on common plane figures	

Domain: Expressions and Equations (12%)

Total Items: Forms 11 & 12: 4
Total Points: Form 11: 4 & Form 12: 5

Proficiency:
☐ Non-proficiency
☐ Partial proficiency
☐ Proficiency

Minimum points required for proficiency:
Form 11: 4 & Form 12: 5

Mastery (Check Skills Demonstrated)	TABE Skills	Mastery Date
☐	Solve one- and two-step equations involving addition, subtraction, multiplication, and/or division of whole numbers while using visual representations to show the process	
☐	Write simple expressions and equations to represent real-world situations	
☐	Identify and name parts of expressions and equations (e.g., terms, coefficient, variable, etc.)	
☐	Solve multi-step equations involving addition, subtraction, multiplication, and division of rational numbers	
☐	Write and solve expressions and equations to represent verbal descriptions (e.g., the product of twice a number, n, and 6) and real-world situations	
☐	Use inverse operations to show steps in solving equations	
☐	Write and solve multi-step equations involving addition, subtraction, multiplication, division, the distributive property, and exponents (squares and cubes) with rational numbers	
☐	Write and solve expressions and equations involving the distributive property or combining like terms	
☐	Use properties of addition and multiplication to justify steps in solving an equation	
☐	Solve equations involving square and cube roots of perfect squares and cubes	
☐	Write and solve expressions and equations involving the distributive property and combining like terms	
☐	Use properties of operations and exponents to justify steps in solving an equation	
☐	Write linear equations to represent real-world situations	
☐	Represent equations of lines by graphing them on the coordinate plane	

NOTE: The categories below are tested on the TABE Mathematics Level M Test; however, because there is an insufficient number of questions representing each category, the Student Profile Report does not identify the TABE skills specific to each. To continue instruction for the domains listed below, it is recommended that you refer to the TABE Mathematics Level D IISP.

Domain	%	Total Items		Total Points	
		Form 11	Form 12	Form 11	Form 12
Ratios & Proportional Relationships	2%	1	1	1	1
Statistics & Probability	5%	2	2	2	2
The Number System	5%	2	2	2	2