Understanding and Applying the TABE 11&12 Overlay

An Add-On to the ABE Math Curriculum Matrix

Activity Book Institute for the Professional Development of Adult Educators WEBINAR ACTIVITY BOOK

Understanding and Applying the TABE 11&12 Overlay

Rod Duckworth, Chancellor Career and Adult Education, Department of Education

June Rall, Director of IPDAE Tamara Serrano, Project Support Specialist for IPDAE

Resources Developed and Designed By

Ronald Cruz



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Institute for the Professional Development of Adult Educators 3209 Virginia Avenue - Fort Pierce, FL 34981 Phone 772-462-7409 • E-mail info@floridaipdae.org

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Agenda

- I. Instructional Challenges with TABE 11 & 12
- II. What's Out There?
- III. The TABE 11 & 12 Overlay
- IV. Features of the TABE 11 & 12 Overlay
- V. Applications of the TABE 11 & 12 Overlay
- VI. How to Download and Print
- VII. Exciting Add-Ons in Development
- VIII. Q&A
 - IX. Evaluation

Reflection

Wł 11	nat are the instructional challenges you face with the implementation of TABI & 12 Assessment in the following areas?
a.	Testing Requirements
b.	Testing Format and Content
C.	Curriculum
d.	Instructional Tools
e.	Interpreting Scores
f.	Instructional Resources

g.	Lesson Planning
h.	Pacing
i.	Professional Growth

What's Out There?

The College and Career Readiness Standards for Adult Education



The Curriculum Framework for ABE Mathematics

	Florida Department of Education Adult General Education Curriculum Framework
	ADULT BASIC EDUCATION-MATHEMATICS
Program Title	Adult Basic Education (ABE)
Program Number	9900000
Course Title	Adult Basic Education-Mathematics
Course Number	School Districts: 9900001 Florida College System: ABX0100-ABX0199
CIP Number	1532010200
Grade Equivalent	0.0-8.9
Grade Level	30, 31
Standard Length	Varies (See Program Lengths Section)
 Provide ac Assist progr Provide guis Ensure qual Provide bas preparation The content standar teachers with select ongoing assessment figure out the know lessons and environ The ABE content standards. The integ knowledge and skill continuing on to poor 	Immon isinguate for Alia levels among programs were MAR. Carcinous indexements were MAR. Carcinous indexements thy indexclose through professional development (B = 1-20), postscend and evel himiting tables to pregare students for GED (B = 1-20), postscend and evel himiting tables to pregare students for GED (B = 1-20), postscend and evel himiting tables to a students for GED (B = 1-20), postscend and evel himiting tables to a student student and the order of the students and the students and better tables the students and the students and the students and the tables that the best transfers finded and the students should have so that teachers near flaxible the best markets the beam revised to include the callege and Career flaxible the beam index of the teachers and the Tables programs in students (CCH) markets the beam revised to include the callege and Career flaxible the beam finder of CH student data All programs. The students can be addresses (CCH) markets the teachers will need to transition to adult secondary programs with the goal of teacondary reducation.
_	1 Page

The ABE Mathematics Curriculum Matrix

Domain	NRS	Level 1		NRS	level 2			NRS	Level 3			NRS	Level 4	
	Mace Value of 2 Digit Number	rs Add and Submact 2 Digit	Place Value of 3 Digit Number	s Add and Subtract 3 Digit	Round Whole Numbers to the	Use Propertie sof Operations 5	Generalize Understanding of	Road and Write Multi Digit	Multiply 4 Digit Numbers by 1	Use Place Value to Understand				
		Numbers		Numbers	Nearest Tensor Hundreds	Pederm Multi Oigit Arithmetic	Place Value	Numbers in Names and Expanded Form	to 2 Digit Numbers	Decimals				
1. Number and Operations:	Compare 2 Digit Numbers	Model Addition and	Compare 3 Digit Numbers	Model Addition and	Multiply 1 Ogit Numbers By 2	Mentally Add and Subtract 10	Compare Any Multi Digit	Round Multi Digit Numbersto	Divide 4 Digt Numbers by 1	Read, Write, and Compare	1			
base i en		Differences of a code wangers		subtraction of a longer numbers	Dige Multiples of 30	for 200 to 3 Oigh Numbers	Basic Operations with Multi-	Perform Basik Operations on	Round Decimals to Any Pilice	Divide 4 Digit Numbers by 2				
							Digit Numbers in Standard	Occimal Numbers Using		Digit Numbers Using Multiple				
	Solve Addition and Subtraction	n The Equal Sign	Solve Addition and Subtraction	Solve Multiplication and	Multiplication Facts within 10	Solve 2 Step Problemsor	Solve Multi Step Problems	Interpret Multiplication as	interpret the Remainder in	Multiples of 3 Digit Numbers				
2. Operations and Algebraic	Problems within 20		Problems within 100	Division Problems within 200		Equations	Using Basic Operations	Comparison Statements	Problems	Up to 200				
Thinking	Property of Addition	Subtraction Equations	Property of Multiplication	Division Equations	Multiplication	Division with in 200	Computation and Estimation	Multiplicative Comparisons	Digit Whole Number	within 200				
							Write and Interpret Numerical	Interpret Expressions without	Generate and Analyze Numeri	ide notly in explicit Features of a				
	Organize, Represent, and	indirectly Measure Longths	Analyse and Generate Picture	Analyze and Generate Line	Measure and Estimate Length	Solve Problems Involving Time	Solve Problems in Length,	Solve Problems in Length,	Solve Problems Involving	Recognize Angles				
	Interpret 3 Categories of Data	through iteration	Graphs and Bar Graphs	Pos	In Randard Units	Volume and Mars	Time, Volume, Mass and	Time, Volume, Mass and	Information Presented in Line					
3. Measurement and Data			Represent Whole Number	Measuring and Estimating	Solve Problems Involving	Use Areas to Model Addition	Apply Area and Perimeter	Convert Measurements within	Organize Unit Practice Data	Understand Concepts of Angle				
			Lengths on a Number Line	Areas of Plane Figures	Perimeter of Polygons	and Multiplication	Romulas for Rectangles	a System	(1/2, 1/4, 1/8) in a Line Pict	Measurement				
							Whole Number Degrees	Problems for Unknown Angle						
	Analyse, Compare, and	2 and 3 Dimensional	Analyze, Draw and Compare	identify Common Polygons and	Categorize Shap es with	Partition Shapes into Parts with	Draw and identify Points, Lines	Solve Problems by Graphing	Solve Problems Involving Area	Draw Polygons in a Coordinate	Solve Problems Involving Scale	Produce Congruence and	Angle Sum and Extentor Angles	
	Shapes	Composite shape's	Attributes	3 Unternational Agares	LONDITION ACCOUNTS	EQUB Areas	une segments, anothers	POINTS ON THE COORDINATE PLAN	C 304 BOD AFE& and VOMITIE	nune	prowings of a conterne righter	Similarity Using Models	or mangles and wars versas	
4. Geometry							Draw and identify Angles,	Classify 2 Dimensional Figures	Find Areas of Polygons by	Find the Length of a Side with	Solve Problems Involving Angle	Recognize Congruence and	Explain and Apply the	
							Unes	Properties	composing or Decomposing	Coordinate	Mole , Arces, 34 and Yolunic	Transformations	Pythagorean Incorem	
							Represent 3 Dimensional	Use Nets to Find the Surface						-
			Represent Fractions with	Recognize Equivalent Fractions	Use Visual Medels to	Compare Fractions with the	Generate Equivalent Practions	Compare Fractions Using	Decompose Fractions as Sum o	Decompose Practions as				
			Denominators 2, 3, 4, 6, or 8 or	n ona Number Line	Represent Equivalent Fraction	Same Numerator or		Common Numerators or	Fractions with the same	Multiples of Unit Fractions				
E Number and Operations			s Number Line			Deno minator	Use Models to Illustrate	Compare Fractions Using	Add and Subtract Mixed	Multiply Fractions by a Whole				
Fractions							Equivalent Fractions	Benchmark Fractions Such as	Numbers Using Equivalent	Number				
TOLIO D							Multiply and Divide Practices	1/2 Solve Problems Involving	Fractions Convert Practions with	Solve Problems1mo/ving				
								Multiplication and Division of	Denominators 10 or 100 to	Addition and Subtraction of				
							Write and Evaluate Algebraic	identify and Generate	Use Substitution to Determine	Express One Quantity as the	Add, Subtract, Rector, and	Construct Boustons and	Apply the Properties of	Solve Problems Involving
							Expressions with Exponents	Equivalent Algebraic	If an Equation or Inequality is	Dependent Variable of the	Expand Linear Expressions	ine qualities to Solve Problems	Biponientisto Generate	Quantities in Scientific
							Perform the Oxfor of	Expressions Reason and Solve One Variabil	True e Use Variables to Represent	Another Quantity Use Grophs, Tobles and	Rewrite Expressions to Show	Solve Problems Using Algebra	Equivalent Exple ssions ic Byskupte Spuper and Cube	Notation Graph Proportional
6. Expressions and Equations							Operations on Algebraic	Equations and Inequalities	Two Related Quantities in a	Equations to Show Variable	Relationships Between	Equations with Rational	Roots of Perfect Squares and	Relationships Unit Rate as the
							Ligressens		Propiem	prelations rigs	Solve SimultaneousLinear	Confidents	cubes	prope
								-			Equations in One Variable			
							Numbers	and Divide Multi Digit Decima	is factor of Two Numbers 5 200	Generate Equivalent	Quantities in Real World	Rational Numbers on a	and inequality Using a Number	Numbers Using a Number Line
										Expressions	Construtt	Coordinate Plane	Une	
7. The Number System							Myltiple of Two Numbers 5 12	Interpret and Compute	Division of Fractions by		a Number Line	Absolute Value of Rational	Solve Problems by Gilphing	Multiply and Divide Kational Numbers
							and the second second second	Quotients of Fractions	Fractions			Numbers		
											Decimal	Operations on Rational	of Irrational Numbers	Irrational Numbers on a
			-									Numbers		Number Line
8. Ratios and Proportional							Between Two Quantities Using				Explain the Unit Kale a/b Associated with the Ratio a.b.	Use Various Techniques to Solve Problem s1 mo.Ming	Represent Progertion a Relationships by Equations and	Proportion al Relations hips
Relationships							a Kato				with 5 + 0	Ratios	Graphs	
							Discuss Statistical Questions Involving Variability in Data	Orscutt Statistical Questions Involving Center, Spread and	Discuss the Measure of Center and Variation for a Numerical	Display Numerical Data in Pilots on a Number Line: Dot Plots,	Relate Measures of Center and Visriability to Data Distribution	Inferences About Two	Find or Approximate the Probability of Simple &	Construct and interpret Scatter Plots from Two Way Tables and
0. Statistics and Deckshills								Overall Shape	Data Set	Histograms, Box Piots	and Context	Populations	Compound livents with Various	Vice Versa
5. Scauscies and Probability											Summarize and Describe	Use Interguantile Range and	Use Random Sampling to Draw	Use the Equation of a Unicar
											Numerical Data Sets	MAD to Draw Comparative	Inferences About a Population	Model to Solve Problems
											Define, Svakuate and Compare	interpret the Equation y - mx	· Construct a Runction to Model	Describe Qualitatively or
10. Functions											Functions	b as Defining a Line ar Function	Linear Relationships	Sketch the Functional
														Quantities

The TABE Assessment Blueprints



STANDARD	STANDARD DESCRIPTION	AE-CCR LEVEL	TABE 11/12 EMPHASIS LEVEL
2.NBT.1	Understand that the three digits of a three-digit number represent amounts of hundreds, tens, and axes; a.g., 706 aquels 7 hundreds, 0 tens, and 6 ones. Understand the follow- ing as special cases (21.811.1.0, 21.811.1.b)	в	Low
3.NBT.1	Use place value understanding to round whole numbers to the nearest 10 or 100.	8	Medium
2.NBT.2	Count within 1000; skip-count by 5s, 10s, and 100s.	8	Medium
3.NBT.2	Fluently add and subtract within 1000 using strategies and algorithms based on place value, properties of operations, and/or the relationship between addition and subtraction.	В	Low
2.NBT.3	Read and write numbers to 1000 using base-ten numerals, number names, and expand- ed form.	в	Low
3.NBT.3	Multiply one-digit whole numbers by multiples of 10 in the range 10 - 90 (e.g., 9 x 80, 5 x 60) using strategies based on place value and properties of operations.	8	Modium
2.NBT.4	Compare two three-digit numbers based on meanings of the hundreds, tens, and ones digits, using >, =, and < symbols to record the results of comparisons.	В	Modium
2.NBT.6	Add up to four two-digit numbers using strategies based on place value and properties of operations.	В	Medium
2.NBT.7	Add and subtract within 1000, using concrete models or drowings and strategies based as place value, properties of operations, and/or the relationship between addition and subtraction; relates the strategy to a written method. Understand their in adding or sub- tracting three-digit numbers, one add or subtracts hundreds, and hundreds, term and tens, ones and ones; and sometimes it is necessary to compose or decompose or decompose tens or hundreds.	в	Modium

11&12 Scoreboost **TABE 11 & 12** Transition Toolkits LEVEL Graw Hil TABE[®] M TABE® II/I2 TABE Curriculum Guide PACEN **TABE®** Tutor Correlations he fait MATHEMATICS walk for TABE 11 and 12 An Edu Correlated to Steck-Vaughn for GED: Real ning Through Language Arts Workbook: 50-53 A Student Edition: 26-2 11

Publisher Resources, Correlations and Alignment

The Online Tools Training



Reflection Questions:

Which ones have you started using for your classroom instruction?

Which ones did you find most useful?

What difficulties have you experienced when using these resources?

	Ad	lult B	asic	Educa	ation	(Mat	them	atics) Cur	riculu	N mr	latrix		
Domain	NRS Le	svel 1		NRS L	evel 2			NRS L	evel 3			NRS L	evel 4	
-	Place Value of 2-Digit Numbers A	dd and Subtract 2-0%)	Hace Value of 3-Digit Numbers	Add and Subtract 3-Digit Numbers	toard Whole Numbers to the tearest Tens or Mandradi	Use Properties of Operations to A Parform MAIS-Digit Addmetic	Generative Under Landrag of Last Value	Read and White Multi-Digit N Numbers in Names and Isspanded Form	Multiph 4-Digit Numbers by 5- 02-Digit Numbers	Use Place Value to Understand Decimals				
1. Number and Onerstions: Bare Ten	Compare 2Digit Numbers N	Nodel Addition and bit action of 2 Digit Numbers	Compare 3-Dig & Numbers	Model Addition and Subtraction of 3-Digit Numbers	Multiphy 1-Orgit Numbers By 2- ijit Multiples of 10	Minntally Add and Substact 10 C or 100 to 3 Digit Numbers N	Compare Any Multi-Oigit Lumber	Round Mulis-Digit Numbersto D	Divide 4-Digit Numbers by 3- Tigit Numbers	Read, Write, and Compare Decimals to Thousand the				
							Baric Operations with Multi- Digit Numbers in Standard Veptifere	Par form Barkic Operations on A Decimal Numbers Uning Authore Scaragion	found Decimals to Any Place	Drick 4-Digit Numbers by 2- Digit Numbers Uning Mditiple Strategies				
	Solve Addition and Subtraction 17 Problems within 20	he Equal Sign	Solve Addition and Subtraction It dolents within 100	Solve Multiplication and Division Problems within 100	Multiplication Facts within 200	Sdive 2-Stop Problems or 5 Equations	Solve Multi-Step Problems Ning Basic Operations	Interpret Multiplication as 10 Comparison Statements	ntarpet die Remainder in rockens	Multiples of 1-Digit Numbers Up to 100				
2. Operations and	Commutative and Associative So Property of Addition So	olving Addison and baraction Equations	Commutative and Asociative Property of Multiplication	Solve Multiplication and Division Equations	Distributive Property of Autisplication	Model Multiplication and 0 Division within 100	Check Answers Using Mental Computation and Estimation	Solve Problems Involving R Molighicative Comparisons D	find All Factor Pairs of Any 2- Vair Minde Number	h ine ard Composite Numbers within 200				
Agebraic Thinking							Write and Interpret Numerical Operations	interpret Expressions without to Evolve ting Them	Sense also and Analyze Numeric and Geometric Patterns	tionály inequicit features of a Pattern from a Aule				
	Organius, Rupewares, and In Interpret 3 Gategories of Data 1th	ideo Cly Maasure Langths Yough Iteration	Analyse and Generate Picture Graphs and Bar Graphs	Analyse and Generate Line Plots	Measure and Estimate Lengths in Standard Units	Solve Problems Involving Time, 5 Volume and Mass	Solve Problems in Length, Time, Idume, Mars. and Monroy	Solve Problems in Langdy, Time, S Volume, Mass and Money In	iolee Pedelma Involving nformation Provented in Line	Racognie Angles				
3. Measurement and			Nagencient Whole Number	Muasuring and Estimating	olve Problems, involving science of Orleans	Use Areas to Model Addition A	Including Practicions Lipply Area and Phrimeter Security for Boot and A	rcluding Dictman Convert Measurements within 10 Surson	Piganias Unit Fraction Data Deganias Unit Fraction Data	Understand Concepts of Angle				
Data							Maxum and Sketch Angles in Mide-Number Degrees	bolve Addition and Subtraction Problems for Unknown Angles	the same and faile faile fails					
	Androv, Compan, and 2. Compose 3-Dimensional Shapes Co	- ard 3-Dimensional omposite Stapes	Ausly a., Draw and Company Shupes Haring Specified	Idently Common Pdygons and C 3-Dimensional Figures	Lago in Supa with annor Attributes	Pasticn Shapesinto Paris with L Equal Area	Draw and Identify Prants, Lines, Line	Solve Problems by Graphing 5. Points on the Coordinate Plane So	toler Problems Involving Area, or face Area, and Volume	Diaw Polygons in a Coordinate Nane	Solve IP delemis Involving Solve Drawings of Geometric Figures	Produce Congruence and U	ugh San aid Existin Angles / Triangles and Transversity	
4. Geometry			ALI ILLAND A				Draw and Islomity Angles. Prependicular and Parallel Linus	Classify 2-Omensional Figures Fi into Categories Bawdon	ind Areas of Polygons by composing or Decomposing	Find the Length of a Side with the Same First or Second	Solve It dilans Inedving Angle Max, Area, SA and Volume	teoprise Genjeurnes and Similarity from Transformations	oplein and Applyths ychegosean Theorem	
							Represent 3-Dimensional L	the Nets to Find the Surface Visa of Fisares		a vectorer a				
			Represent Fractions with Denominators 2, 3, 4, 6, or 8 on	Recognize Equivalent Fractions I on a Number Line	Use Viscuel Madels to Represent quivelent Fractions	Compare fractions with the Same Numerator of	Generate Equivalent Fractions	Compare Fractions Uning D	Decompose Fractions as Sum of vactions with the same	Decompose fractions as Multiples of Unit Fractions				
5. Number and			a Number Lens			Vencemnator	he Models to Busicale subsellent Fractions	Compare fractions Using A Compare fractions Using A	der den der Subtract Mixed funkters Uking Equivalent	Militishy Fractions by a Whole Number				
Operations: Fractions						-	A Distance of Number Section	1/2 Address transferrer 10	fractions means fractions with	Schue Brobhome Incolution				
						510	the set Fudure April to the second	Multiplication and Division of	becomination 30 or 200 to Decimination 50 or 200 to Decimation Not Substitution to Dotermine F an Equation or inequality in	ages reasonances and a second and the second	Add, Subtrad, Factor, and Equand Senar Equrations	Construct Equations and the Problems	galy the Roperties of sporents to Generate objection Economics	Solar Problems levelsing Quartities in Scientific Notation
6. Expressions and Equations							Perform the Order of Operations on Algebraic Spressions	Reacon and Solve One-Variable ID Equations and Inequalities IN	Use Variables to Represent Two telated Quantities in a Problem	Use Graphy, Tables and Equations to Show Variable Relationships	Rowel de Expressions to Show Addat kondelige Bat ween Quantities	iolos Problems Uning Algebraic Equations with Rational Coefficients	velocite Square and Gabo toots of Parfact Squares and Jakes	Graph Proportional Materiorikies - Unit Rate as the Store
											Solve Simultaneous Linear Equations in One Variable			
							Rumby Divide Multi-Digit	Huendy Add, Subsect, Multiply and Divide Multi-Digit Decimals 1	field the Greatest Common actor of Tee Numbers 5 200	Apply Distributive Property to Generate Equivalent Esperations	Uke Indegers to Represent Quentition in Red-World Conterts	Mot /Find Ondered Pairs of National Numbers on a Coordinate Mane	xplain Statements of Order and Inceptify Using a Number line	Add and Subsuct Resignal Numbers Using a Number Line
7. The Number System							find the Laws Common Multiple of Two Numbers 512	Uw Models to Illustrate, 5 Interpret and Computer D Ductions of Frazions Fr	iolee Problems Involving Nekion of Fractions by Fractions		Ploy/Find Rational Numbers on a Number Line	Understand and Frakasis Bodivis Value of Rational Numbers	dwo Problems by Graphing	Multiply and Dvido Rational Numbers
											Converta Rational Number to Decimal	iolos Problems truoloing Barác Operations on Rational Vambers	ind Rational Approximations () In ational Numbers	Estimate the location of trational Numbers on a Number Line
8. Ratios and Proportional Relationships							Describe a Relationship Belte een Teo Quartilios Uning Placio				isplain the Unit Ran w/b Associated with the Ratio als, with b = 0	ule Valos Techniques to boles Problems Incolving Ratios	ing noant. Propentional Inlationships by figuations and Lagles	Solar It dalams involving Argonizand Relationships
9. Statistics and							brazov Statistical Questions noteing Variability in Data	Discuss Statistical Questions Involving Gretor, Spread and Over all Shape	Discons the Measure of Center and Variation for a Mumerical Net Stit	Dirgiay Namorial Data in Noo. on a Number Live: Dot Noo. Histograms, Noc Yoo.	Induce Maximum of Cambra and Variability to Data Disk Budson and Contract	Dian Information Informed About Two Napulations	erd or Approximate the Vehability of Simple & Ompound Fronts with Valoua arbitraries	Contract and Interpret Souther Most from Earch May Tables and Vice Vena
Probability											Summarie and Discribi Numerical Data Sets	Une Interquetile Range and I MAD to Draw Comparative Inferences	he Random Sampling to Draw Aferencia About a Population	the the Equation of a timear Model to Solve In dolenis
10. Functions											Define, Frakuste and Compare functions	mangret the Equation y = mx 1 to a Defining a Limaar Function 1	onstaut a function to Model innar Relationships	Deracke Qualitationly of Sketch the Functional Malatership Kenn om Teor Quartitien

The TABE Overlay

Matching Activity

Instructions:

Match the standard code to each cell of the matrix (Table 1). The first one is already done for you.

		٦	TABLE 1			
Domain	NRS L	evel 1		NRS L	evel 2	
	Place Value of 2-Digit Numbers	Add and Subtract 2-Digit	Place Value of 3-Digit Numbers	Add and Subtract 3-Digit	Round Whole Numbers to the	Use Properties of Operations to
	2.NBT.1	Numbers		Numbers	Nearest Tens or Hundreds	Perform Multi-Digit Arithmetic
 Number and Operations: 	Compare 2-Digit Numbers	Model Addition and	Compare 3-Digit Numbers	Model Addition and	Multiply 1-Digit Numbers By 2-	Mentally Add and Subtract 10
Base Ten		Subtraction of 2-Digit Numbers		Subtraction of 3-Digit Numbers	Digit Multiples of 10	or 100 to 3-Digit Numbers

%)	STANDARD	STANDARD DESCRIPTION	AE-CCR LEVEL	TABE 11/12 EMPHASIS LEVEL
EN (28%	2.NBT.1	Understand that the three digits of a three-digit number represent amounts of hundreds, tens, and ones; e.g., 706 equals 7 hundreds, 0 tens, and 6 ones. Understand the following as special cases: (2.NBT.1.a, 2.NBT.1.b)	В	Low
Ш	3.NBT.1	Use place value understanding to round whole numbers to the nearest 10 or 100.	В	Medium
AS	2.NBT.2	Count within 1000; skip-count by 5s, 10s, and 100s.	В	Medium
S IN B	3.NBT.2	Fluently add and subtract within 1000 using strategies and algorithms based on place value, properties of operations, and/or the relationship between addition and subtraction.	В	Low
NOL	2.NBT.3	Read and write numbers to 1000 using base-ten numerals, number names, and expanded form.	В	Low
ERAT	3.NBT.3	Multiply one-digit whole numbers by multiples of 10 in the range $10 - 90$ (e.g., 9×80 , 5×60) using strategies based on place value and properties of operations.	В	Medium
ID OF	2.NBT.4	Compare two three-digit numbers based on meanings of the hundreds, tens, and ones digits, using $>$, =, and $<$ symbols to record the results of comparisons.	В	Medium
ER AN	2.NBT.6	Add up to four two-digit numbers using strategies based on place value and properties of operations.	В	Medium
NUMBE	2.NBT.7	Add and subtract within 1000, using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method. Understand that in adding or sub- tracting three-digit numbers, one adds or subtracts hundreds and hundreds, tens and tens, ones and ones; and sometimes it is necessary to compose or decompose tens or hundreds.	В	Medium

Go back to table 1 and use different colors of highlighter or crayons to differentiate the standards that are Low and Medium in Emphasis Level.

Reflection Question:

What was the "Aha Moment" for you when completing this matching activity?

9

Overlays for Each Level of TABE

	A	dult E	Basic	Educ	ation	ı (Ma	them	natics	s) Cur	ricul	um N	latrix	(
Domain	NRS I	Level 1		NRS L	evel 2			NRS L	evel 3			NRS L	evel 4	
1. Number and Operations: Base Ten	Place Value of 2-Digit Number Compare 2-Digit Numbers	rs Add and Subtract 2-Digit Numbers Model Addition and Subtraction of 2-Digit Number	Place Value of 3-Digit Numbers Compare 3-Digit Numbers	Add and Subtract 3-Digit Numbers Model Addition and Subtraction of 3-Digit Number	Round Whole Numbers to the Nearest Tens or Hundreds Multiply 1-Oigh Numbers By 2- b Digit Multiples of 10	Use Properties of Operations 1 Perform Multi-Digit Arthmetic Mentally Add and Subtract 1D or 100 to 3-Digit Numbers	Generalize Understanding of Place Value Compare Any Multi-Digit Number Basic Operations with Multi- Digit Numbers in Standard Alexander	Read and Write Multi-Digit Numbers in Names and Expanded Form Round Multi-Digit Numbers to Any Place Value Perform Basic Operations on Decimal Numbers Using Multiple Strategies	Multiply 4-Digit Numbers by 1- to 2-Digit Numbers Divide 4-Digit Numbers by 1- Digit Numbers Round Decimals to Any Place	Use Place Value to Understand Decimals Read, Write, and Compare Decimals to Thousandths Davide 4-Digit Numbers by 2- Digit Numbers Using Multiple Stateelies				
2. Operations and Algebraic Thinking	Solve Addition and Subtractio Problems within 20 Commutative and Associative Property of Addition	n The Equal Sign Solving Addition and Subtraction Equations	Solve Addition and Subtraction Problems within 100 Commutative and Associative Property of Multiplication	Solve Multiplication and Division Problems within 100 Solve Multiplication and Division Equations	Multiplication Facts within 100 Distributive Property of Multiplication	Solve 2-Step Problems or Equations Model Multiplication and Division within 100	Solve Multi-Step Problems Uning Basic Operations Oneck Answers Using Mental Computation and Estimation Write and Interpret Numerical Expressions	Interpret Multiplication as Comparison Statements Solve Problems Involving Multiplicative Comparisons Interpret Expressions without Evaluating Them	Interpret the Remainder In Problems Find All Factor Pains of Any 2- Digit Whole Number Generate and Analyze Numeric and Geometric Patterns	Multiples of 1-Digit Numbers Up to 100 Prime and Composite Numbers within 100 Identify inexplicit Features of a Pattern from a Rule				
3. Measurement and Data	Organize, Represent, and Interpret 3 Categories of Data	Indirectly Measure Lengths a through Reration	Analyze and Generate Picture Graphs and Bar Graphs Represent Whole Number Lengths on a Number Line	Analyze and Generate Line Plots Measuring and Exismating Areas of Plane Figures	Measure and Estimate Lengths in Standard Units Solve Problems Involving Perimeter of Polygons	Solve Problems Involving Time Volume and Mass Use Areas to Model Addition and Multiplication	Solve Problems in Length, Time, Volume, Mass and Money Including Fractions Apply Area and Perimeter Formulas for Rectargles Measure and Sketch Angles in Whole-Number Degrees	Solve Problems in Length, Time Volume, Mass and Money Industing Decimals Convert Measurements within a System Solve Addition and Subtraction Problems for Unknown Angles	Solve Problems involving Information Presented in Line Plots Organize Unit Fraction Data (1/2, 1/4, 1/8) in a Line Plot	Recognize Angles Understand Concepts of Angle Measurement				
4. Geometry	Analyze, Compare, and Compose 3-Otmensional Shap	2- and 3-Citmensional es Composite Shapes	Analyze, Draw and Compane Shapes Hawing Specified Attributes	identify Common Polygons and 3-Cimensional Figures	d Categorize Shapes with Common Attributes	Partition Shapes into Parts wit Equal Areas	h Draw and identify Points, Lines, Line segments, and Rays Draw and identify Angles, Perpendicular and Parallel Lines Represent 3-Dimensional	Solve Problems by Graphing Points on the Coordinate Plane Classify 2-Dimensional Figures Into Categories Based on Properties Use Nets to Find the Surface	Solve Problems Involving Area, Surface Area, and Volume Find Areas of Polygons by Composing or Decomposing	Dow Polygons in a Coordinate Plane Find the Length of a Side with the Same First or Second Coordinate	Solve Problems Involving Scale Drawings of Geometric Agures Solve Problems Involving Angle Meas, Areas, SA and Volume	Produce Congruence and Similarity Using Models Recognize Congruence and Similarity from Transformation	Angle Sum and Exterior Angles of Triangles and Transversals Explain and Apply the Pythagorean Theorem	
5. Number and Operations: Fractions			Represent Fractions with Denominators 2, 3, 4, 6, or 8 o a Number Line	Recognize Equivalent Fractions n on a Number Line	E Use Visual Models to Represen Equivalent Fractions	Compare Fractions with the Same Numerator or Denominator	Generate Equivalent Fractions Use Models to Illustrate Equivalent Fractions Multiply and Divide Fractions	Compare Fractions Using Compare Fractions Using Common Numerators or Denominators Compare Fractions Using Benchmark Practions Such as 1/2 Solve Problems Involving Multiplication and Division of Fractione	Decompose Fractions as Sum o Fractions with the same Denominator Add and Subtract Mixed Numbers Using Equivalent Fractions Convert Fractions with Denominators 10 or 100 to Institutions	Decompose Fractions as Multiples of Unit Fractions Multiply Fractions by a Whole Number Solve Problems Involving Addition and Subtraction of Franking				
6. Expressions and Equations							Write and Evaluate Algebraic Expressions with Exponents Perform the Order of Operations on Algebraic Expressions	Identify and Generate Equivalent Algebraic Expressions Reason and Solve One-Variable Equations and Inequalities	Use Substitution to Determine If an Equation or Inequality is True Use Variables to Represent Two Related Quantities in a Problem	Express One Quantity as the Dependent Variable of the Another Quantity Use Graphs, Tables and Equations to Show Variable Relationships	Add, Subtract, Factor, and Expand Linear Expressions Rewrite Expressions to Show Relationships Between Quantities Solve Simultaneous Linear Equations in One Variable	Construct Equations and inequalities to Solve Problems Solve Problems Using Algebraic Equations with Rational Coefficients	Apply the Properties of Exponents to Generate Equivalent Expressions Evaluate Square and Cube Roots of Perfect Squares and Cubes	Solve Problems Involving Quantities in Scientific Notation Graph Proportional Relationships - Unit Rate as the Slope
7. The Number System							Fluently Divide Multi-Digit Numbers Find the Least Common Multiple of Two Numbers 4 12	Flaently Add, Subtract, Multipl and Divide Multi-Oigit Decimal Use Models to Illustrate, Interpret and Compute Quotients of Fractions	Find the Greatest Common Factor of Two Numbers 5 100 Solve Problems Involving Division of Practions by Fractions	Apply Distributive Property to Generate Equivalent Expressions	Use Integers to Represent Quantities in Real-World Contexts Plot/Find Rational Numbers on a Number Line Convert a Rational Number to Decimal	Pot/Find Ordered Pairs of Rational Numbers on a Coonfinate Plane Understand and Evaluate Absolute Value of Rational Numbers Solve Problems Involving Easic Operations on Rational	Explain Statements of Order and Inequality Using a Number Une Solve Problems by Graphing Find Rational Approximations of Invational Numbers	Add and Subtract Rational Numbers Using a Number Line Multiply and Divide Rational Numbers Estimate the Location of Irrational Numbers on a
8. Ratios and Proportional Relationships							Describe a Relationship Between Two Quantities Using a Ratio				Explain the Unit Rate a/b Associated with the Ratio x.b, with b # 0	Numbers Use Various Techniques to Solve Problems Involving Ration	Represent Proportional Relationships by Equations and Graphs	Number Line Solve Problems Involving Proportional Relationships
9. Statistics and Probability							Discus Statistical Questions Involving Variability in Data	Discuss Statistical Questions Involving Center, Spread and Overall Shape	Discuss the Measure of Center and Variation for a Numerical Data Set	Display Numerical Data in Plots on a Number Line: Dat Plots, Histograms, Box Plots	Relate Measures of Center and Variability to Data Distribution and Context Summarize and Describe Numerical Data Sets	Draw Informal Comparative Inferences About Two Populations Use Interquartile Range and MAD to Draw Comparative	Find or Approximate the Probability of Simple & Compound Events with Various Techniques Use Random Sampling to Draw Inferences About a Population	Construct and Interpret Scatter Plots from Two-Way Tables and Vice Versa Use the Equation of a Linear Model to Solve Problems
10. Functions											Define, Evaluate and Compare Functions	Inferences Interpret the Equation y = mx + b as Defining a Linear Function	Construct a Function to Model Linear Relationships	Describe Qualitatively or Sketch the Functional Relationship Between Two Quantities

TABE Level E & L

TABE Level M

	Α	dult E	Basic	Educ	ation	(Ma	them	natics	s) Cur	ricul	um N	latrix	ζ	
Domain	NRS L	evel 1		NRS L	evel 2			NRS L	evel 3			NRS L	evel 4	
1. Number and Operations: Base Ten	Place Value of 2-Digit Numbers Compare 2-Digit Numbers	Add and Subtract 2-Digit Numbers Model Addition and Subtraction of 2-Digit Numbers	Place Value of 3-Digit Numbers Compare 3-Digit Numbers	Add and Subtract 3-Digit Numbers Model Addition and Subtraction of 3-Digit Numbers	Round Whole Numbers to the Nearest Tens or Hundreds Multiply 1-Digit Numbers By 2- Digit Multiples of 10	Use Properties of Operations to Perform Multi-Digit Arithmetic Mentally Add and Subtract 10 or 100 to 3-Digit Numbers	Generalize Understanding of Place Value Compare Any Multi-Digit Number Basic Operations with Multi- Digit Numbers in Standard	Read and Write Multi-Digit Numbers in Names and Expanded Form Round Multi-Digit Numbers to Any Place Value Perform Basic Operations on Decimal Numbers Using	Multiply 4-Digit Numbers by 1- to 2-Digit Numbers Divide 4-Digit Numbers by 1- Digit Numbers Round Decimals to Any Place	Use Place Value to Understand Decimals Read, Write, and Compare Decimals to Thousandths Divide 4-Digit Numbers Using Multiple				
2. Operations and Algebraic Thinking	Solve Addition and Subtraction Problems within 20 Commutative and Associative Property of Addition	The Equal Sign Solving Addition and Subtraction Equations	Solve Addition and Subtraction Problems within 100 Commutative and Associative Property of Multiplication	Solve Multiplication and Division Problems within 100 Solve Multiplication and Division Equations	Multiplication Facts within 100 Distributive Property of Multiplication	Solve 2-Step Problems or Equations Model Multiplication and Division within 100	Algorithm Solve Multi-Step Problems Using Basic Operations Oneck Answers Using Mertal Computation and Estimation Write and Interpret Numerical Expressions	Multiple Strategies Interpret Multiplication as Comparison Statements Solve Problems Involving Multiplicative Comparisons Interpret Expressions without Evaluating Them	Interpret the Remainder in Problems Find All Factor Pains of Any 2- Cigit Whole Number Generate and Analyze Numeric and Geometric Patterns	Strategies Multiples of 1-Digit Numbers Up to 100 Prime and Composite Numbers within 100 Identify Inexplicit Features of a Pattern from a Rule				
3. Measurement and Data	Organize, Represent, and Interpret 3 Categories of Data	Indirectly Measure Lengths through iteration	Analyze and Generate Picture Graphs and Bar Graphs Represent Whole Number Lengths on a Number Line	Analyze and Generate Line Plots Measuring and Estimating Areas of Plane Figures	Measure and Estimate Lengths in Standard Units Solve Problems Involving Perimeter of Polygons	Solve Problems Involving Time, Volume and Mass Use Areas to Model Addition and Multiplication	Solve Problems in Length, Time, Volume, Mass and Money Including Fractions Apply Area and Pacimeter Formulas to Rectangles Measure and Sketch Angles in Whole Number Degrees	Solve Problems in Length, Time, Volume, Mass and Money Including Decimals Convert Measurements within a system Solve Addition and Subtraction Problems for Unknown Angles	Solve Problems Involving Information Presented In Line Plots Organize Unit Fraction Data (1/2, 1/4, 1/8) in a Line Plot	Recognize Angles Understand Concepts of Angle Measurement				
4. Geometry	Analyze, Compane, and Compose 3-Dimensional Shaper	2- and 2-Otmensional Composite Shapes	Analyze, Draw and Compare Shapes Having Specified Attributes	Identify Common Polygons and 3-Dimensional Figures	Categorize Shapes with Common Attributes	Partition Shapes into Parts with Equal Areas	Draw and Identify Points, Lines, Line segments, and Rays Draw and Identify Angles, Perpendicular and Parallel Lines Represent 3-Dimensional	Solve Problems by Graphing Points on the Coordinate Plane Classify 2-Dimensional Figures Into Categories Based on Properties Use Nets to Find the Surface	Solve Problems Involving Area, Surface Area, and Volume Find Areas of Polygons by Composing or Decomposing	Draw Polygons in a Coordinate Plane Find the Length of a Side with the Same Finit or Second Coordinate	Solve Problems Involving Scale Drawings of Geometric Figures Solve Problems Involving Angle Meas., Arean, SA and Volume	Produce Congruence and Similarity Using Models Recognize Congruence and Similarity from Transformations	Angle Sum and Diterior Angles of Triangles and Transversals Explain and Apply the Pythagorean Theorem	
5. Number and Operations: Fractions			Represent Fractions with Denominators 2, 3, 4, 6, or 8 or a Number Line	Recognize Equivalent Fractions on a Number Line	Use Visual Models to Represent Equivalent Fractions	Compare Fractions with the Same Numerator or Denominator	Inguish Using Nets Generate Equivalent Fractions Use Models to Illustrate Equivalent Fractions Multiply and Divide Fractions	Artis of signes Compare Fractions Using Common Numerators or Denominators Compare Fractions Using Benchmark Fractions Such as 1/2 Solve Problems Involving Multiplication and Division of	Decompose Fractions as Sum o Fractions with the same Denominator Add and Subtract Mixed Numbers Using Equivalent Fractions Convert Fractions with Denominators 10 or 500 to	Decompose Fractions as Multiples of Unit Fractions Multiply Fractions by a Whole Number Solve Problems Involving Addition and Subtraction of				
6. Expressions and Equations							Write and Evaluate Algebraic Expressions with Exponents Perform the Order of Operations on Algebraic Expressions	Practions deetby and Generate Equivalent Algebraic Expremions Reaston and Solve One-Variable Equations and Inequalities	Use Substitution to Determine If an Equation or inequality is True Use Variables to Represent Two Related Quantities in a Problem	Express One Quantity as the Dependent Variable of the Another Quantity Use Graphs, Tables and Equations to Show Variable Relationships	Add, Subtract, Factor, and Expand Linear Expressions Rewrite Expressions to Show Relationships Between Quantities Solve Simultaneous Linear Equations in One Variable	Construct Equations and Inequalities to Solve Problems Solve Problems Using Algebraic Equations with Rational Coefficients	Apply the Properties of Exponents to Generate Equivalent Expressions Exalaxie Square and Cube Roots of Perfect Squares and Cubes	Solve Problems Involving Quantities in Scientific Notation Graph Proportional Relationships - Unit Rate as the Slope
7. The Number System							Reently Divide Multi-Digit Numbers Find the Least Common Multiple of Two Numbers 5.12	Fluently Add, Subtract, Multiply and Divide Multi-Oigt Decimals Use Models to Illustrate, interpret and Compute Quotients of Fractions	Find the Greatest Common Factor of Two Numbers ± 100 Solve Problems Involving Division of Practions by Fractions	Apply Distributive Property to Generate Equivalent Expressions	Use Integers to Represent Quantities in Real-World Contexts Plot/Find Rational Numbers on a Number Une Convert a Rational Number to Decimal	Rot/Find Ordered Pains of Rational Numbers on a Coordinate Plane Understand and Evaluate Absolute Value of Rational Numbers Solve Problems Involving Easic Operations on Rational	Explain Statements of Order and inequality Using a Number Une Solve Problems by Graphing Find Rational Approximations of Irrational Numbers	Add and Subtract Rational Numbers Using a Number Line Multiply and Divide Rational Numbers Estimate the Location of Irrational Numbers on a
8. Ratios and Proportional Relationships							Describe a Relationship Between Two Quantities Using a Ratio				Explain the Unit Rate a/b Associated with the Ratio a : b, with $b \neq 0$	Numbers Use Various Techniques to Solve Problems Involving Ratios	Represent Proportional Relationships by Equations and Graphs	Number Line Solve Problems Involving Proportional Relationships
9. Statistics and Probability							Decos Statistical Questions Involving Variability in Data	Discuss Statistical Questions Involving Center, Spread and Overall Shape	Discuss the Measure of Center and Variation for a Numerical Data Set	Display Numerical Data in Piets on a Number Line: Dot Piots, Histograms, Box Piots	Relate Measures of Center and Variability to Data Distribution and Context Summarize and Describe Numerical Data Sets	Draw Informal Comparative Inferences About Two Populations Use Interquartile Range and AVAD to Draw Comparative Inferences	Find or Approximate the Probability of Simple & Compound Events with Various Techniques Use Random Sampling to Draw Inferences About a Population	Construct and interpret Satter Plots from Two-Way Tables and Vice Versa Use the Equation of a Unear Model to Solve Problems
10. Functions											Define, Evaluate and Compare Functions	Interpret the Equation y = mx + b as Defining a Linear Function	Construct a Function to Model Unear Relationships	Describe Qualitatively or Sketch the Functional Relationship Between Two Quantities

TABE Level D

	Α	dult E	Basic	Educ	atior	í (Ma	them	natics	s) Cur	ricul	um N	latrix	<	
Domain	NRS L	evel 1		NRS L	evel 2			NRS L	evel 3			NRS L	evel 4	
	Place Value of 2-Digit Numbers	Add and Subtract 2-Digit Numbers	Place Value of 3-Digit Numbers	Add and Subtract 3-Digit Numbers	Round Whole Numbers to the Nearest Tens or Hundreds	Use Properties of Operations to Perform Multi-Digit Arithmetic	o Generalize Understanding of Place Value	Read and Write Multi-Digit Numbers in Names and Expanded Form	Multiply 4-Digit Numbers by 1- to 2-Digit Numbers	Use Race Value to Understand Decimals				
1. Number and Operations: Base Ten	Compare 2-Digit Numbers	Model Addition and Subtraction of 2-Digit Numbers	Compare 3-Digit Numbers	Model Addition and Subtraction of 3-Digit Numbers	Multiply 1-Digit Numbers By 2- Eligit Multiples of 10	Mentally Add and Subtract 10 or 100 to 3-Digit Numbers	Compare Any Multi-Digit Number Basic Operations with Multi- Digit Numbers in Standard Numither	Round Multi-Digit Numbers to Any Place Value Perform Basic Operations on Decimal Numbers Using Multide Fondation	Divide 4-Digit Numbers by 1- Digit Numbers Round Decimals to Any Place	Read, Write, and Compare Decimals to Thousandths Divide 4-Digit Numbers by 2- Digit Numbers Using Multiple Constants				
2.0	Solve Addition and Subtraction Problems within 20	The Equal Sign	Solve Addition and Subtraction Problems within 100	Solve Multiplication and Division Problems within 100	Multiplication Facts within 100	Solve 2-Step Problems or Equations	Solve Multi-Step Problems Using Basic Operations	Interpret Multiplication as Comparison Statements	Interpret the Remainder in Problems	Multiples of 1-Digit Numbers Up to 100				
Algebraic Thinking	Property of Addition	Subtraction Equations	Property of Multiplication	Division Equations	Multiplication	Division within 100	Computation and Estimation Write and Interpret Numerical Expressions	Multiplicative Comparisons Interpret Expressions without Evaluating Them	Digit Whole Number Generate and Analyze Numeric and Geometric Patterns	within 100 identify inexplicit Features of a Pattern from a Rule				
3. Measurement and	Organize, Represent, and Interpret 3 Categories of Data	indirectly Measure Lengths through Iteration	Analyze and Generate Picture Graphs and Bar Graphs	Analyze and Generate Line Plots	Measure and Estimate Lengths In Standard Units	Solve Problems Involving Time, Volume and Mass	Solve Problems in Length, Time Volume, Mass and Money Including Fractions	r, Solve Problems in Length, Time Volume, Mass and Money Including Decimals	, Solve Problems Involving Information Presented in Line Plots	Recognize Angles				
Data			Lengths on a Number Line	Areas of Place Figures	Perimeter of Polygons	and Multiplication	Formulas for Rectangles Measure and Sketch Angles in Whole-Number Degrees	a System Solve Addition and Subtraction Problems for Unknown Angles	(1/2, 1/4, 1/8) in a Line Plot	Measurement				
	Analyze, Compare, and Compose 3-Dimensional Shaper	2- and 3-Dimensional Composite Shapes	Analyze, Draw and Compare Shapes Having Specified Attributes	Identify Common Polygons and 3-Dimensional Figures	Categorize Shapes with Common Attributes	Partition Shapes into Parts with Equal Areas	h Draw and identify Points, Lines Line segments, and Rays	, Solve Problems by Graphing Points on the Coordinate Plane	Solve Problems Involving Area, Surface Area, and Volume	Draw Polygons in a Coordinate Plane	Solve Problems Involving Scale Drawings of Geometric Figures	Produce Congruence and Similarity Using Models	Angle Sum and Exterior Angles of Triangles and Transversals	
4. Geometry							Draw and Identify Angles, Perpendicular and Parallel Line	Classify 2-Dimensional Figures into Categories Based on Properties	Find Areas of Polygons by Composing or Decomposing	Find the Length of a Side with the Same First or Second Coordinate	Solve Problems Involving Angle Meas., Areas, SA and Volume	Recognize Congruence and Similarity from Transformation	Explain and Apply the a Pythagorean Theorem	
			Represent Fractions with Denominators 2, 3, 4, 6, or 8 or	Recognize Equivalent Fractions on a Number Line	Use Visual Models to Represen Equivalent Fractions	Compare Fractions with the Same Numerator or	Figures Using Nets Generate Equivalent Fractions	Area of Figures Compare Fractions Using Common Numerators or	Decompose Fractions as Sum o Fractions with the same	Decompose Fractions as Multiples of Unit Fractions				
5. Number and Operations: Fractions			a Number Line			Denominator	Use Models to Illustrate Equivalent Fractions	Denominators Compare Fractions Using Benchmark Fractions Such as 1/2	Denominator Add and Subtract Mixed Numbers Using Equivalent Fractions	Multiply Fractions by a Whole Number				
							Multiply and Divide Fractions	Solve Problems Involving Multiplication and Division of Fractions	Convert Fractions with Denominators 10 or 100 to Decimals	Solve Problems Involving Addition and Subtraction of Fractions	Add Follows Forder and	Providence Providence and	hashs the Descention of	Talan Davidson Incolsion
6. Expressions and							Perform the Order of Operations on Algebraic	Equivalent Algebraic Expressions Reason and Solve One-Variable Equations and Inequalities	If an Equation or inequality is True Use Variables to Represent Two Related Quantities in a Problem	Dependent Variable of the Another Quantity Use Graphs, Tables and Equations to Show Variable	Roy addition, Parcer, and Expand Linear Expressions Rewrite Expressions to Show Relationships Between	Solve Problems Using Algebraic Equations with Rational	Exponents to Generate Equivalent Expressions Evaluate Square and Cube Roots of Perfect Squares and	Quantities in Scientific Notation Graph Proportional Relationships - Unit Rate as the
Equations							Expressions			Relationships	Quantities Solve Simultaneous Linear Equations in One Variable	Coefficients	Cubes	Slope
							Fluently Divide Multi-Digit Numbers	Fluently Add, Subtract, Multiply and Divide Multi-Olgit Decimal	Find the Greatest Common Factor of Two Numbers ± 100	Apply Distributive Property to Generate Equivalent Expressions	Use Integers to Represent Quantities in Real-World Contexts	Plot/Find Ordered Pairs of Rational Numbers on a Coordinate Plane	Explain Statements of Order and Inequality Using a Number Une	Add and Subtract Rational Numbers Using a Number Line
7. The Number System							Find the Least Common Multiple of Two Numbers 5 12	Use Models to Illustrate, Interpret and Compute Quotients of Fractions	Solve Problems involving Division of Fractions by Fractions		Plot/Find Rational Numbers on a Number Line Convert a Rational Number to	Understand and Evaluate Absolute Value of Rational Numbers Solve Problems Involving Basic	Solve Problems by Graphing	Multiply and Divide Rational Numbers Estimate the Location of
9 Pation and							Describe a Relationship				Decimal Explain the Unit Rate a/b	Operations on Rational Numbers Use Various Techniques to	of Irrational Numbers Represent Proportional	Irrational Numbers on a Number Line Solve Problems Involving
Proportional Relationships							Between Two Quartities Using a Ratio	6			Associated with the Ratio x.b, with b $\neq 0$	Solve Problems Involving Ratio	s Relationships by Equations and Graphs	Proportional Relationships
9. Statistics and							Discuss Statistical Questions Involving Variability in Data	Discuss Statistical Questions Involving Center, Spread and Overall Shape	Discuss the Measure of Center and Variation for a Numerical Data Set	Display Numerical Data in Plots on a Number Line: Dot Plots, Histograms, Box Plots	Relate Measures of Center and Variability to Data Distribution and Context	Draw Informal Comparative Inferences About Two Populations	Find or Approximate the Probability of Simple & Compound Events with Various Techniques	Construct and Interpret Scatter Plots from Two-Way Tables and Vice Versa
Probability											Summarize and Describe Numerical Data Sets	Use Interquartile Range and MAD to Draw Comparative Inferences	Use Random Sampling to Draw Inferences About a Population	Use the Equation of a linear Model to Solve Problems
10. Functions											Define, Evaluate and Compare Functions	Interpret the Equation y = mx + b as Defining a Linear Function	Construct a Function to Model Unear Relationships	Describe Qualitatively or Sketch the Functional Relationship Detween Two Quantities

Applications of the TABE Overlays

- Centralized assessment resource for teachers and students.
- Clearly identified and chunked assessment targets or objectives
- Checklist of major ABE mathematics concepts
- Scope and sequence guide for educators which helps lesson planning and pacing
- Resource correlation guide for teachers and students
- A tool for student grouping for differentiating instruction
- A progress monitoring tool for teachers and students

Domain	NRS L	evel 1		NRS L	evel 2	
1. Number and Operations: Base Ten	Place Value of 2-Digit Numbers	Add and Subtract 2-Digit Numbers Nodel Addition and Subtraction of 2-Digit Numbers	Place Value of 3-Digit Numbers Compare 3-Digit Numbers	Add and Subtract 3-Digit Numbers Model Addition and Wee Subtraction of 3-Digit Numbers	Round Whole Numbers to the Nearest Tens or Hundreds Induitiply 1-Digit Numbers By 2- Digit Multiples of 10	Use Properties of Operations to Perform Multi-Digit Arithmetic Mentally Add and Subtract 10 or 100 to 3-Digit Numbers
2. Operations and Algebraic Thinking	Solve Addition and Subtraction Problems within 20 Commutative and Associative Property of Addition	The Equal Sign Solving Addition and Subtraction Equations	Solve Addition and Subtraction Problems within 100 Commutative and Associative Property of Multiplication	Solve Multiplication and Division Problems V Construction Solve Multiplication and Division Equations	Multiplication Facts within 100 Chshibdine Property of Multiplication	Solve 2-Step Problems or Equations Model Multiplication and Division within 100
3. Measurement and Data	Organize, Represent, and Interpret 3 Categories of Data	Indirectly Measure Lengths through Iteration ek 3	Analyze and Generate Picture Graphs and Bar Graphs Represent Whole Number Lengths on a Number Line	Analyze and Generate Line Plots Measuring and Estit Areas Areas of Plane Figures	Measure and Estimate Lengths in Standard Units We Projems Involving Perimeter of Polygons	Solve Problems Involving Time, Volume and Mass Use Areas to Model Addition and Multiplication
4. Geometry	Analyze, Compare, and Compose 3-Dimensional Shapes	2- and 3-Dimensional Composite Shapes ek 4	Analyze, Draw and Compare Shapes Having Specified Attributes	Identify Common Polygons and 3-Dimensional Figures Wee	Categorize Shapes with Common Attributes	Partition Shapes into Parts with Equal Areas
5. Number and Operations: Fractions			Represent Fractions with Denominators 2, 3, 4, 6, or 8 on a Number Line	Recognize Equivalent Fractions on a Number Line Wee	Use Visual Models to Represent Equivalent Fractions	Compare Fractions with the Same Numerator or Denominator

Sample Pacing Guide

Sample Resource Guide

NRS Level 1		NRS Level 2				
Place Value of 2-Digit Numbers Place Value of 2-Digit Numbers Compare 2-Digit Numbers	Add and Subtract 2-Digit Numbers 9 Model Addition and Subtraction of 2-Digit Numbers	Place Value of 3-Digit Numbers	Add and Subtract 3-Digit Numbers Model Addited Ges 2 Subtraction of 3-Digit Numbers	Round Whole Numbers to the Nearest Tens or Hundreds	Use Properties of Operations to Perform Multi-Digit Arithmetic Mentally Add and Subtract 10 or 100 to 3-Digit Numbers	
Solve Addition and Subtraction	The Equal Sign	Solve Addition and Subtraction	ASST Math	Activity Multiplication Facts withm 100	Solve 2-Step Problems or	
Problems Dip 20 Commutative add ess Property of Addition	Subtraction Equations	Problems within 100 Commutative and Associative Fire of Ati Breatich	Division Problems within 100 Solve Multiplication and Bivision Soustions	Distributive Property of Multiplication	Equations Model Multiplication and Division within 100	
Organize, Represent, and	Indirectly Measure Lengths	Analyze and Generate Picture			ora Video	
Interpret 3 Categories of Data Pages	through Iteration 16-27	Graphs and Bar Graphs Represent Whole Number	Plots Measuring and Estimating	in Standard Units Solve Problems Involving	Volume and Mass Use Areas to Model Addition	
J		Lengths on a Number Line	Areas of Plane Figures	E Grab &	Go Video	
Analyze, Compare, and Compose 3-Dimensional Shapes	2- and 3-Dimensional Composite Shapes	Analyze, Draw and Compare Shapes Having Specified Attributes	Identify Common Polygons and 3-Dimensional Figures	Categorize Shapes with Common Attributes	Partition Shapes into Parts with Equal Areas	
• • • • • •	onico	100				
		Represent Fractions with Denominators 2, 3, 4, 6, or 8 or	Recognize Equivalent Fractions on a Number Line	Use Visual Models to Represent Equivalent Fractions	ter 2 Compare Fractions with the Same Numerator or	
		PurpleN	lath.com		Denominator	
	NRS L Place Value of 2- Digit Numbers Compare 2- Digit Numbers Solve Addition and Subtraction Problems Dage Commutate a Diget Solve Property of Addition Organize, Represent, and Interpret 3 Categories of Data Pages Analyze, Compare, and Compose 3- Dimensional Shapes Online	NRRS Level 1 Place Value of 2-Digit Numbers Analyze, Compare, and Compose 3-Dimensional Shapes Analyze, Compare, and Compose 3-Dimensional Shapes Analyze, Compare, and Compose 3-Dimensional Shapes Onclassing 2- and 3-Dimensional Compose 3-Dimensional Shapes Onclassing 2- and 3-Dimensional Compose 3-Dimensional Shapes Onclassing Compose 3-Dimensional Shapes Onclassing Onclassing Compose 3-Dimensional Shapes Onclassing Onclassing Compose 3-Dimensional Shapes Onclassing Onclassing Compose 3-Dimensional Shapes	NRRS Level 1 Place Value of 2-Digit Numbers Page Value of 2-Digit Numbers Page Value of 2-Digit Numbers Compare 2-Digit Numbers Model Addition and Subtraction of 2-Digit Numbers Solve Addition and Subtraction Problems Problems Data Property of Addition Interpret 3 Categories of Data Interpret 3 Categories of Data Pages 2- and 3-Dimensional Compose 3-Dimensional Shapes Onclinee 2- and 3-Dimensional Compose 3-Dimensional Shapes Analyze, Compare, and Compose 3-Dimensional Shapes Onclinee 2- and 3-Dimensional Compose 3-Dimensional Shapes Public 3 Represent Fractions with Denominators 2, 3, 4, 6, 0, 6, 0, 8 o Analyze, Represent Fractions with Denominators 2, 3, 4, 6, 0, 6, 0, 8 o Analyze, Compare, and Compose 3-Dimensional Shapes Analyze, Compare, and Compose 3-Dimensional Shapes Public 4	NRSS Level 1 NRSS L Prace Value of 2-Digit Numbers Add and Subtract 2-Digit Numbers Place Value of 3-Digit Numbers Add and Subtract 3-Digit Numbers Compare 2-Digit Numbers Model Addition and Subtraction of 2-Digit Numbers Compare 3-Digit Numbers Model Addition and Subtraction of 3-Digit Numbers Solve Addition and Subtraction of 2-Digit Numbers Solve Addition and Subtraction of 3-Digit Numbers Solve Multiplication and Division Problems within 100 Commutate and Associative Solve Addition and Subtraction of 3-Digit Numbers Solve Multiplication and Division Problems within 100 Commutate and Associative Solve Addition and Subtraction and Associative Solve Multiplication and Division Problems within 100 Compare 3-Digit Rumbers Indirectly Measure Lengths Analyze and Generate Picture Analyze and Generate Picture Organize, Represent, and Indirectly Measure Lengths Analyze, Compare, and Compose 3-Dimensional Shapes Measuring and Estimating Areas of Plane Figures Analyze, Compare, and Compose 3-Dimensional Shapes 2- and 3-Dimensional Analyze, Draw and Compare Onclinee 2- and 3-Dimensional Analyze, Draw and Compare Identify Common Polygons and 3-Dimensional Figures Analyze, Compare, and Compare, 3-Dimensional Shapes Compose 3-Dimensional Figures </td <td>NRS Level 1 NRS Level 2 Place Value of 2-Digit Numbers Add and Subtract 2-Digit Numbers Add and Subtract 3-Digit Numbers Add and Subtract 3-Digit Numbers Add and Subtract 3-Digit Numbers Round While Numbers to the Numbers of Public Numbers Compare 2-Digit Numbers Model Addition and Subtraction of 2-Digit Numbers Compare 3-Digit Numbers Model Addition and Subtraction of 2-Digit Numbers Model Addition and Subtraction of 2-Digit Numbers Digit Muttiples of 10 Solve Addition and Subtraction The Equal Sign Problems Whini 100 Digit Muttiples of 10 Digit Muttiples of 10 Property of Addition Solve Addition and Subtraction Solve Addition and Subtraction and Diversion and Diversion</td>	NRS Level 1 NRS Level 2 Place Value of 2-Digit Numbers Add and Subtract 2-Digit Numbers Add and Subtract 3-Digit Numbers Add and Subtract 3-Digit Numbers Add and Subtract 3-Digit Numbers Round While Numbers to the Numbers of Public Numbers Compare 2-Digit Numbers Model Addition and Subtraction of 2-Digit Numbers Compare 3-Digit Numbers Model Addition and Subtraction of 2-Digit Numbers Model Addition and Subtraction of 2-Digit Numbers Digit Muttiples of 10 Solve Addition and Subtraction The Equal Sign Problems Whini 100 Digit Muttiples of 10 Digit Muttiples of 10 Property of Addition Solve Addition and Subtraction Solve Addition and Subtraction and Diversion	

Reflection:

What other uses for the TABE Overlays can you envision?

Annotating Using Adobe Acrobat Reader

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	Domain	NRS Level 1	NRS Level 2	NRS Level 3	NRS Level 4		
	1. Number and Operations: Base Ten	Surger 3 Opt Number Surger 3 Opt Number	Index Index <td< td=""><td>Procession Description Description expension expension expension Expension Description</td><td></td><td></td></td<>	Procession Description Description expension expension expension Expension Description			
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	3. Measurement and Data	Ogenin, Represent, and Indirectly Streamer Langths Interpret 3 Categories of State Unsight Renation	Andrea and Extension Factors. Another information to be Anatorea and Extension and Anatorea and	(in the second secon	-	50	
	4. Geometry	entryse, Company, and Company & Dimensional Disposi Disposi	andrage state part of severe in the set of severe and part of the severe in the severe	The state of enterty trans, see, see the transmission of the state of	Advanchmann Hundling Cache (Mandala Cale) Andrew Marken Hundling Mandala Cale)	12	
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	6. Expressions and Equations			And an and Annual Annua	All Julius Alexa of Second Baseline and Second		
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	8. Ratios and Proportional Relationships			inter the a biologicality Review Two Quantities using a failure	Dama Operating participant of partit participant <th of<="" td=""><td>D</td></th>	<td>D</td>	D
	9. Statistics and Probability			And an additional defaultion of the second s	And A standard S status of the status o	K	
	10. Functions		1				

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