

Math Expressions Interactive Digital Learning Environments

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Please go [here](#) for information on what is included, how to use things within a file, and how to set up and use these files with your class. Written and video instructions are included.

For any suggestions, concerns, or compliments about the digital learning environments, please fill out this [form](#).

In the chart below are slide decks to be used with the whole class.

Click [here](#) to access the **student version of the Google slide fluency cards and other practice materials for Grades 1, 2, and 3 to be used at home or in the classroom.**

Pre-Kindergarten	Math Expressions DLE Teaching Slides Part A Number Weeks 1 to 6 Math Expressions DLE Family Slides Part A Number Weeks 1 to 6 Daily Routines Part A Weeks 1 to 12 List of materials for families for Part A weeks 1 to 6 Math Expressions DLE Teaching Slides Part A Geometry Weeks 7 to 12 Math Expressions DLE Family Slides Part A Geometry Weeks 7 to 12 Math Expressions DLE Teaching Slides Part B Number Weeks 13-17 Math Expressions DLE Family Slides Part B Number Weeks 13-17 Daily Routines Part B Weeks 13-22 Math Expressions DLE Teaching Slides Part B Geometry Weeks 18 to 22 Math Expressions DLE Family Slides Part B Geometry Weeks 18 to 22 Daily Routines Part C Weeks 23-30 Math Expressions DLE Teaching Slides Part C Number Weeks 23-26 Math Expressions DLE Family Slides Part C Number Weeks 23-26 Math Expressions DLE Teaching Slides Part C Geometry Weeks 27-30 Math Expressions DLE Family Slides Part C Number Weeks 27-30
Kindergarten Math Expressions Digital Learning Environment Slides Math Expressions Jamboards	Daily Routines: Daily Routines- Unit 1 Count by tens and ones up to a number. Daily Routines- Unit 1- Spanish Daily Routines -Unit 2 After number 50, count by tens and ones up to a number. Daily Routines- Unit 2- Spanish Daily Routines - Unit 3 Count by tens. Count by tens and ones up to any number. Daily Routines- Unit 3 - Spanish Daily Routines- Unit 4 Count on ten more. Make teen numbers. Daily Routines- Unit 4- Spanish

	<p>Daily Routines- Unit 5 Count on ten more. Make teen numbers. Daily Routines - Unit 5 - Spanish</p> <p>Quick Practices:</p> <p>Quick Practices-Unit 1 Count from 1 to 10 on the Number Parade. Count and show fingers for numbers 1 to 10 in order. See a number and say it; show fingers for that number. Act out animal actions and sounds for each number 1 to 5 in order. Count from 1 to 10 and show fingers while counting. See a number and say it; show fingers for that number. Recognize 1 to 5 dots out of random order; show fingers for that number. Act out animal actions and sounds for each number 1 to 5 in order and random order. Spanish</p> <p>Quick Practices - Unit 2 Act out animal actions and sounds for each number 1 to 5 out of random order. Recognize and show with fingers the numbers 6 to 10 as 5 and some ones. See a number and say it; show fingers for that number. Act out and make sounds using pretend musical instruments for number 6 to 10. Discuss, say, and show patterns in teen numbers as a group of ten and some ones. See and say teen number words. Act out and make sounds using pretend musical instruments for number 6 to 10 out of random order. Spanish</p> <p>Quick Practices- Unit 3 Discuss, say, and show patterns in teen numbers as a group of ten and some ones. See and say teen number words. Act out and make sounds using pretend musical instruments for numbers 6-10 in random order. Show and say numbers 11-19 as a group of ten and some ones in order and in random order. See a number and say it; show fingers quickly for that number. Practice adding 1 to a number in an addition story. Spanish</p> <p>Quick Practices- Unit 4 See, say, and show numbers 11 to 19 as a group of ten and some ones, in order, with Giant Number Cards. Practice adding 1 to a number in an addition story. See, feel, and say partners of numbers 4-7 using fingers. Practice subtracting 1 from a number in a subtraction story. See, feel, and say partners of numbers 8-10. See and identify 2-dimensional shapes in various sizes and orientations. Spanish</p> <p>Quick Practices-Unit 5 See and identify 2-dimensional shapes in various sizes and orientations. See and say partners of ten. See and identify 3-dimensional shapes in various sizes and orientations. Practice relative position words and concepts with 3-dimensional shapes. See and identify 2-dimensional shapes and the larger shapes they are composing. Spanish</p>
<p>1st Grade</p> <p>Math Expressions Digital Learning Environment Slides</p> <p>Math Expressions</p>	<p>Daily Routines:</p> <p>Daily Routines Unit 1 County by tens and ones to make a number between 80 and 100. Daily Routines Unit 1- Spanish</p> <p>Daily Routines Unit 2 Count on ten more. Make teen numbers. Daily Routines Unit 2- Spanish</p>

<p>Jamboards</p>	<p>Daily Routines Unit 3 Count from 100 to 120. See these numbers as tens and ones. Daily Routines Unit 3- Spanish</p> <p>Daily Routines Unit 4 Partners of 10. Make a 10 with addends 9 and 8. Daily Routines Unit 4 - Spanish</p> <p>Daily Routines Unit 5 Add ones, tens, or both. Compare 2-digit numbers. Daily Routines Unit 5 - Spanish</p> <p>Daily Routines Unit 6 Mentally find 10 more or 10 less than a 2 digit number. Subtract multiples of 10 more from multiples of 10. Do the subtraction make-a-ten method with a 9. Daily Routines Unit 6 - Spanish</p> <p>Daily Routines Unit 7 Do the subtraction make-a-ten method with a 9. Do the subtraction make-a-ten method with an 8. Telling time to the hour and to the half hour. Daily Routines Unit 7 - Spanish</p> <p>Daily Routines Unit 8 Compare 2-digit numbers. Tell time to the hour and half-hour. Daily Routines Unit 8- Spanish</p> <p>Quick Practices:</p> <p>Quick Practices - Unit 1 Count from 1 to 10 and see numbers as 5-groups. Model 5-groups. Quickly recognize and show with fingers numbers 6-10 Spanish</p> <p>Quick Practices - Unit 2 Discuss, say and show patterns in teen numbers as a group of ten and some ones. Add 1 and 0 within 10. Practice counting on to find the total. Subtract 1 and 0 within 10. Spanish</p> <p>Quick Practices- Unit 3 Visualize and make teen numbers as ten and extra ones. Count on to find the unknown partner in addition equations. Practice counting on to solve subtraction equations. Spanish</p> <p>Quick Practices- Unit 4 Add a ten. Say one less than a decade number. Name and flash with fingers 2-digit numbers shown as 10-sticks and circles. Differentiate numbers that sound alike but have different values (teens and tens). Spanish</p> <p>Quick Practices- Unit 5 Show tens and ones. Pesky pairs - teens and tens. Addition Fluency within 10. Subtraction fluency within 10. Spanish</p> <p>Quick Practices - Unit 6 Addition and subtraction fluency. Spanish</p> <p>Quick Practices- Unit 7 Addition and subtraction fluency. Tell and write time in hours and half hours. Spanish</p> <p>Quick Practices-Unit 8 Find the unknown 10-partner and 100 partner. Spanish</p>
<p>2nd Grade</p> <p>Math Expressions Digital Learning Environment Slides</p>	<p>Daily Routines:</p> <p>Daily Routines Unit 1 Count by tens and ones. Daily Routines Unit 1- Spanish</p> <p>Daily Routines Unit 2 Count by fives. Count by fives on a money chart. Identify dime, nickel, penny coins. Count dime, nickel and penny coin strips.</p>

<p>Math Expressions Jamboards</p>	<p>Daily Routines Unit 2 - Spanish</p> <p>Daily Routines Unit 3 Identify dime, nickel, and penny. Count coins by their value. Make up word problems for the value in cents.</p> <p>Daily Routine Unit 3 - Spanish</p> <p>Daily Routines Unit 4 Count by 100s to 1,000. Count within 1,000 by tens. Count times, nickels, and pennies to equal a quarter.</p> <p>Daily Routines Unit 4- Spanish</p> <p>Daily Routines Unit 5 Count quarters to two dollars. Count dollars, quarters, dimes, nickels, and pennies and make up and solve word problems.</p> <p>Daily Routines Unit 5- Spanish</p> <p>Daily Routines Unit 6 Count dollars, quarters, dimes, nickels, and pennies and make up and solve coin word problems. Unscramble the hundreds, tens, and ones.</p> <p>Daily Routines Unit 6 - Spanish</p> <p>Daily Routines Unit 7 Unscramble the hundreds, tens, and ones. Compare 3-digit numbers.</p> <p>Daily Routines Unit 7- Spanish</p> <p>Quick Practices:</p> <p>Quick Practices- Unit 1 Add and subtract with totals ≤ 10 or add and subtract with totals 11 to 18. Relate addition and subtraction and find totals and addends in equations. Practice subtracting with teen totals. Spanish</p> <p>Quick Practices - Unit 2 Practice the make-a-ten method for teen addition problems. Understand and use place-value notations. Understand and use place-value notation to add 1, 10, and 100. Spanish</p> <p>Quick Practices- Unit 3 Practice the make-a-ten method for teen subtraction problems. Spanish</p> <p>Quick Practices- Unit 4 Understand and practice length measures. Practice teen subtraction. Practice length equivalents Spanish</p> <p>Quick Practices- Unit 5 Practice telling time to 5 minutes. Spanish</p> <p>Quick Practices - Unit 6 Add or subtract 100. Add over the hundred. Mentally or subtract 10. Spanish</p> <p>Quick Practices- Unit 7 Practice teen subtraction. Practice addition problems with teen totals. Spanish</p>
<p>3rd Grade</p> <p>Math Expressions Digital Learning Environment Slides</p> <p>Math Expressions</p>	<p>Quick Practices:</p> <p>Quick Practices- Unit 1 Multiply with 5, 2, 9, 3, 4, 1, 0. Divide by 5, 2, 9, 3, 4, 1, 0. Spanish</p> <p>Quick Practices- Unit 2 Multiply with 0 or 1. Multiply with or Divide by 6, 7, 8. Multiply 6, 7, and 8 by 5, 6, 7, and 8. Practice multiplication and division with 2, 5, and 9 (easy) and 3 and 4 (medium). Spanish</p> <p>Quick Practices- Unit 3 Practice multiplications and divisions. Practice multiplication</p>

<p>Jamboards</p> <p>Multiplication and Division Fluency Slides</p> <p>Multiplication and Division Interactive Strategy/Fluency Cards</p>	<p>with 6, 7, and 8. Practice multiplication with 2, 5, and 10. Practice multiplication with 3, 4, and 9. Spanish</p> <p>Quick Practices- Unit 4 Practice telling time before and after the hour. Spanish</p> <p>Quick Practices- Unit 5 Practice telling time before and after the hour. Compare fractions with the same denominator or the same numerator. Spanish</p> <p>Quick Practices - Unit 6 Practice telling time before and after the hour. Review finding elapsed time. Spanish</p> <p>Quick Practices- Unit 7 Review the meaning of finding the perimeter and area. Find perimeter and area of rectangles. Find perimeter and area of rectangles with unknown side lengths. Spanish</p>
<p>4th Grade</p> <p>Math Expressions Digital Learning Environment Slides</p> <p>Math Expressions Jamboards</p>	<p>Quick Practices:</p> <p>Quick Practices- Unit 1 Solve simple addition and subtraction equations. Say and compare numbers with 7 or fewer digits. Spanish</p> <p>Quick Practices- Unit 2 Find the unknown addend in an equation involving multiplication and addition. Develop fluency with zeros patterns in multiplications. Prepare for long division with remainders. Spanish</p> <p>Quick Practices- Unit 3 Practice the first three steps of long division with 2-digit dividends. Practice the first three steps of long division with 3- or 4- digit dividends. Spanish</p> <p>Quick Practices- Unit 4 Read and evaluate expressions. Practice solving situation equations by writing a solution equation. Practice verbalizing addition comparisons from an addition equation. Practice verbalizing multiplicative comparisons from a multiplication equation. Spanish</p> <p>Quick Practices- Unit 5 Understand and convert larger metric units of length, liquid volume, and mass. Understand and convert larger customary units of length, liquid volume, weight, and time. Spanish</p> <p>Quick Practices- Unit 6 Build fractions by combining unit fractions, find fraction partners of 1, and compare unit fractions. Group and ungroup mixed numbers and fractions to add and subtract. Spanish</p> <p>Quick Practices- Unit 7 Compare unit fractions. Compare fractions with like numerators or like denominators. Compare fractions with unlike numerators and unlike denominators by finding equivalent fractions so the fractions have common denominators where one denominator is a multiple of the other denominator or the denominators have no common factors or the denominators have a common factor. Spanish</p> <p>Quick Practices- Unit 8 Identify points, line segments, rays, lines, and angles. Show right, acute, and obtuse angles with hands. Practice classifying triangles by sides and angles using correct vocabulary. Show parallel and perpendicular line segments with arms. Classify quadrilaterals by perpendicular or parallel sides and by all sides equal or not equal. Spanish</p>
<p>5th Grade</p>	<p>Quick Practices:</p> <p>Quick Practices- Unit 1 Recognize that as the denominator increases, a unit fraction is</p>

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smaller in value, and that $d/d = 1$ for any denominator d . Show several equivalent fractions by multiplying numerator and denominator by the same number, and practice changing mixed numbers to fractions. Add and subtract unlike fractions by finding equivalent fractions with common denominators when one denominator is a multiple of the other, when the denominators have no common factors, and when the denominators have common factors. [Spanish](#)

[Quick Practices- Unit 2](#) Practice relating decimal place values, coin values, and fractions for decimals less than 1. Practice relating decimal place values, coin values, and fractions for decimals greater than 1. Compare decimals using place value fractions. [Spanish](#)

[Quick Practices - Unit 3](#) Understand that multiplying a unit fraction by a whole number is the same as dividing the whole number by the denominator of the fraction. Understand that a unit fraction can be multiplied by each 1 in the whole number factor. Relate multiplying a unit fraction by any fraction with multiplying the unit fraction by the other fraction expressed as a sum of unit fractions. Compare adding fractions (where you add numerators only) and multiplying fractions (where you multiply numerators and denominators). This is done with like denominators and unlike denominators. [Spanish](#)

[Quick Practices - Unit 4](#) Practice with recognizing the number of zeros in a product when one or more factors are multiples of 10. Practice with recognizing the number of zeros in the product when the product of the non-zero digits has a zero in the ones place. Identify and practice using patterns in multiplying decimal numbers by whole numbers. Identify and practice using patterns in multiplying decimal numbers by decimals or whole numbers. [Spanish](#)

[Quick Practices- Unit 5](#) Identify where to write the first digit in a quotient when there is a 1-digit divisor. Identify where to write the first digit in a quotient when there is a 2-digit divisor. Understand and practice changing a decimal divisor to a whole number before writing the first digit in the quotient. Practice changing a decimal divisor to a whole number and identify the place for the first digit in the quotient. [Spanish](#)

[Quick Practices - Unit 6](#) Practice making solution equations from situation equations (addition and subtraction situations). Practice making solution equations from situation equations (multiplication and division situations). Predict whether multiplying makes a product larger or smaller than the multiplied factor. [Spanish](#)

[Quick Practices- Unit 7](#) Practice making solution equations from situation equations (addition and subtraction situations). Practice making solution equations from situation equations (multiplication and division situations). Predict whether multiplying makes a product larger or smaller than the multiplied factor. [Spanish](#)

[Quick Practices- Unit 8](#) Understand and convert metric units of length by using multiplication or division. Understand and convert customary units of length by using multiplication or division. Understand and convert metric units of liquid volume by using multiplication or division. Understand and convert metric units of mass by using multiplication or division. Understand and convert customary units of weight by using multiplication or division. [Spanish](#)

<p>6th Grade</p> <p>Math Expressions Digital Learning Environment Slides</p> <p>Math Expressions Jamboards</p>	<p>Quick Practices:</p> <p>Quick Practices- Unit 1 Practice solving Factor Puzzles. Relate Factor Puzzles to proportion problems.</p> <p>Quick Practices- Unit 2 Review attributes of geometric figures. Review how to find the perimeter and area of geometric figures. Measure side lengths with a ruler starting at the ruler mark for 2 inches.</p> <p>Quick Practices- Unit 3 Practice estimating and placing the first multiplier. Review unit fractions. Practice comparing fractions that have the same numerator. Recognize and relate different representations of operations with fractions. Practice and relate comparing and operating with fractions.</p> <p>Quick Practices- Unit 4 Review area concepts and formulas. Review attributes of nets. Review drawing nets for prisms and pyramids.</p> <p>Quick Practices- Unit 5 Evaluate algebraic expressions. Analyze algebraic expressions. Practice writing equivalent expressions.</p> <p>Quick Practices- Unit 6 Practice using the volume formula to find volumes of rectangular prisms.</p> <p>Quick Practices- Unit 7 Practice finding unit rates. Use tape diagrams to write ratios. Practice with percent/fraction equivalents. Review metric prefixes.</p> <p>Quick Practices- Unit 8 Draw and interpret data displayed in a dot plot. Determine a mean by leveling out. Find mean, median, and range.</p> <p>Quick Practices- Unit 9 Practice reading and writing opposites. Compare integers.</p>
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All updates will be listed here.

3rd Grade: 10.7.20 : Updated the Digital Learning Environment Slide Deck with many more multiplication and division supports. Added two fluency slide decks: strategy/fluency cards and the multiplication/division fluency slides with practice materials for each number and for mixed numbers.

05.17.21 3rd Grade Unit 7 QP- revised to include all lessons.

8.21.21 3rd Grade Fluency slides updated. Error of $7 \times 7 = 48$ was corrected . These slides were also improved with color coding.

8.25.21 K-2 (all) Daily Routine Slides edited with minor revisions.