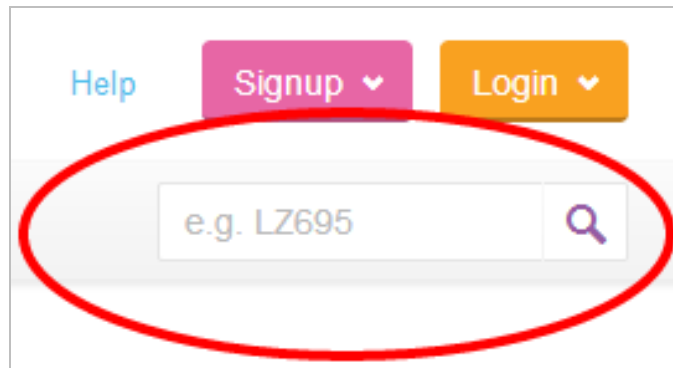Parents and Guardians,

This online resource is a great help to reinforce and strengthen math skills at home. Just because students are not at school doesn't mean that they can't keep learning. Here's what you can do to help:

1. Go to LearnZillion.com

LearnZillion is a free website – also accessible on mobile devices -- that provides teachers, parents and students with short video lessons that cover the content your student needs to learn this year.

2. Use an "LZ Quick Code" to access lessons

The "LZ codes" listed at the end of this letter are for the lessons that your student needs to understand by the end of this year. When you get to LearnZillion.com, type the LZ codes into the search bar on the homepage (see picture). The codes will bring you to lessons for your student. Your student can watch the videos alone, or with you. If you want, you can experiment with quizzes and other features accessible from the lesson page.

I hope this is helpful for you. Remember, if you have questions or need any guidance, you can contact me or the LearnZillion team at support@learnzillion.com.

Thank you for supporting your student's learning at home. Let me know if you have any questions.

Key lessons by grade level (3-8)

3rd grade	Lesson Title	LZ Quick Code
3.NBT.1	Understand the value of a digit in a multi-digit number	LZ1783
3.NBT.1	Round to the nearest ten using a number line	LZ1786
3.NBT.1	Round to the nearest hundred using base ten blocks	LZ1789
3.NBT.2	Use addition and subtraction fact families to solve for unknown amounts	LZ1579
3.NBT.2	Solve addition word problems by identifying key phrases	LZ1581
3.NBT.2	Solve subtraction word problems by identifying key phrases	LZ1582
3.NBT.2	Solve subtraction problems using a number line	LZ1583
3.NBT.3	Multiply by multiples of 10 with base ten blocks	LZ2488
3.NF. 1	Understand fractions as fair shares	LZ715
3.NF. 1	Represent fractions in different ways	LZ716
3.NF. 1	Write fractions with numerator and denominator	LZ717
3.NF. 1	Understand why the larger the denominator the smaller the fractional parts	LZ1268
3.NF.2a	Plot a unit fraction on a number line	LZ1727
3.NF.2b	Identify a fraction as a point on a number line by dividing the number line into equal parts	LZ1728
3.NF.2b	Plot improper fractions on a number line	LZ1730
3.NF.3b	Identify equivalent fractions using fraction strips	LZ1733
3.NF.3c	Express whole numbers as fractions	LZ1738
3.NF.3d	Compare fractions with the same numerator by reasoning about their size	LZ1739
3.NF.3d	Compare fractions with the same denominator by reasoning about their size	LZ1740

4th grade	Lesson Title	LZ Quick Code
4.NBT.1	Use place value chart and arrow cards to understand large numbers	LZ514
4.NBT.1	Model numbers using base ten blocks	LZ515
4.NBT.1	Understand relationships between digits and their place value	LZ516
4.NBT.1	Multiply by powers of 10	LZ805
4.NBT.1	Divide by powers of 10	LZ806
4.NBT.2	Read and write numbers in numeric form	LZ517
4.NBT.2	Read and write numbers in word form	LZ518
4.NBT.2	Read and write numbers in expanded form	LZ519
4.NBT.2	Compare numbers using the symbols and	LZ521
4.NBT.2	Read and write numbers with zeros	LZ520
4.NBT.3	Round numbers to the leading digit using a number line	LZ524
4.NBT.3	Round numbers to a specified place on a number line	LZ525
4.NBT.4	Add using the standard addition algorithm	LZ3122
4.NBT.4	Subtract using an open number line	LZ3123
4.NBT.5	Use area models to show multiplication of whole numbers	LZ1876
4.NBT.5	Use place value understanding to multiply three and four digit numbers	LZ1878
4.NBT.5	Use an area model to multiply two digit numbers by two digit numbers	LZ1879
4.NBT.6	Divide two-digit dividends using friendly multiples	LZ1482
4.NBT.6	Report remainders as fractions	LZ1480
4.NBT.6	Divide three-digit dividends	LZ1483
4.NF.1	Recognize equivalent fractions using number lines	LZ617
4.NF.2	Compare fractions with different numerators and denominators using a number line	LZ843
4.NF.2	Create common denominators using area models	LZ846
4.NF.3a	Decompose a fraction into a sum of fractions using an area model	LZ1630

4.NF.3b	Add fractions with like denominators using a number line	LZ1631
4.NF.3b	Subtract fractions with like denominators using an area model	LZ1633
4.NF.3d	Add fractions with like denominators by decomposing into unit fractions	LZ2777
4.NF.3d	Subtract fractions with like denominators by decomposing	LZ2947
4.NF.3d	Add fractions with like denominators using a number line	LZ2898
4.NF.3d	Subtract fractions with like denominators using a number line	LZ2906
4.NF.3d	Add fractions with like denominators using visual models	LZ2866
4.NF.3d	Subtract fractions with like denominators using visual models	LZ2983
4.NF.4a	Represent fractions as the sum of unit fractions using pictures	LZ2696
4.NF.4a	Multiply a whole number and a fraction using a number line	LZ2938
4.NF.4c	Solve problems involving multiplying a fraction and a whole number	LZ3066
4.NF.4c	Solve word problems involving multiplying a fraction and a whole number	LZ2845
4.NF.4c	Solve problems involving a fraction and a whole number using repeated addition	LZ2493
4.NF.4c	Solve problems involving a fraction and a whole number using a number line	LZ2832

5th grade	Lesson Title	LZ Quick Code
5.NBT.1	Understand the value of a digit using a place-value chart	LZ3000
5.NBT.1	Compare the value of the digits in a multi-digit whole number	LZ3251
5.NBT.1	Understand the value of a digit in a decimal number	LZ3345
5.NBT.1	Compare the value of the digits in a decimal number	LZ3363
5.NBT.3a	Read and write decimals using base ten blocks	LZ3776
5.NBT.3a	Represent equal decimals using zeroes	LZ3778
5.NBT.3b	Compare decimals using fractions	LZ562
5.NF.1	Add fractions with unlike denominators using fraction bars	LZ2390
5.NF.1	Subtract fractions with unlike denominators using fraction bars	LZ2480
5.NF.1	Add mixed numbers with unlike denominators using fraction bars	LZ2483
5.NF.1	Subtract mixed numbers with unlike denominators using fraction bars	LZ2541
5.NF.1	Subtract fractions and mixed numbers by decomposing	LZ2443
5.NF.2	Estimate answers to problems involving fractions using area models	LZ3181
5.NF.3	Understand fractions as division	LZ3759
5.NF.3	Solve division problems with fractional models	LZ3760
5.NF.3	Solve division problems with fractional quotients greater than or equal to one	LZ3761
5.NF.3	Estimate between which two whole numbers a fractional quotient will lie	LZ3762
5.NF.3	Explore the inverse relationship between multiplication and division of fractions	LZ3763
5.NF.6	Multiply a fraction by a whole number using visual representations	LZ3421
5.NF.6	Multiply a fraction by a fraction using visual representations	LZ3468
5.NF.6	Multiply fractions by mixed numbers using visual representations	LZ3358
5.NF.6	Multiply mixed numbers by mixed numbers using visual representations	LZ3362
5.NF.6	Write equations to multiply fractions and mixed numbers	LZ3471
5.NF.7	Identify fractions equal to a whole and determine how fractional pieces fit within a whole	LZ3766
5.NF.7	Divide a whole number by a unit fraction	LZ3767
5.NF.7	Check answers when dividing whole numbers and fractions	LZ3769

6th grade	Lesson Title	LZ Quick Code
6.EE.2	Read and write an algebraic expression containing a variable	LZ465
6.EE.2	Read and write algebraic expressions using parentheses	LZ467
6.EE.2	Evaluate one-step algebraic expressions by substitution	LZ468
6.EE.2	Evaluate multiple step algebraic expressions by substitution	LZ469
6.EE.2	Evaluate algebraic expressions with exponents	LZ1339
6.EE.5	Understand equations using a number line	LZ3770

6.EE.5	Understand equations using a bar model	LZ3771
6.EE.5	Understand inequalities using a number line	LZ3772
6.EE.5	Understand inequalities using a bar model	LZ3773
6.EE.7	Write and solve addition equations using a bar model	LZ2735
6.EE.7	Write and solve subtraction equations using a bar model	LZ2882
6.EE.7	Write and solve multiplication equations using a bar model	LZ2814
6.EE.7	Write and solve division equations using a bar model	LZ2815
6.RP.1	Visualize part-to-part ratios using pictures	LZ580
6.RP.1	Visualize part-to-total ratios using pictures	LZ581
6.RP.1	Convert between part-to-part and part-to-total ratios by drawing a picture	LZ583
6.RP.2	Understand rates as a type of ratio	LZ839
6.RP.2	Create unit rate using diagram	LZ840
6.RP.3a	Solve ratio problems using tables and addition	LZ586
6.RP.3a	Solve ratio problems using tables and multiplication	LZ587
6.RP.3b	Graphing rate problems using a table	LZ615
6.RP.3c	Define percents as ratios	LZ593
6.RP.3c	Find the part when the percent and total are known	LZ596
6.RP.3c	Find the total when the percent and part are known	LZ597
6.RP.3d	Convert measurement units using ratio tables	LZ592
7th grade	**Lesson Title**	**LZ Quick Code**
7.EE.2	Write an expression to find the cost of an item with tax	LZ3441
7.EE.2	Write an expression to find the cost of a discounted item	LZ3310
7.EE.2	Write equivalent expressions using variables	LZ3311
7.EE.3	Approach a multistep problem using steps	LZ3203
7.EE.3	Solve problems using a chart	LZ3399
7.EE.3	Solve problems by writing and solving equations	LZ3278
7.EE.3	Estimate to check reasonableness	LZ3361
7.EE.4	Use a bar model to write and solve equations	LZ1509
7.EE.4	Solving an equation using inverse operations	LZ1510
7.EE.4	Convert a real world situation into an equation	LZ1511
7.EE.4	Write an inequality from a word problem	LZ1660
7.EE.4	Solve inequalities with inverse operations	LZ1661
7.NS.1	Determine the values of opposite numbers using a number line	LZ2458
7.NS.1	Understand the concept of additive inverse	LZ2567
7.NS.1	Find the additive inverse using an equation	LZ3044
7.NS.3	Use addition and subtraction to solve real-world problems involving decimals	LZ1150
7.NS.3	Use addition and subtraction to solve real-world problems involving fractions	LZ1151
7.NS.3	Use addition and division to solve real-world problems with rational numbers	LZ1153
7.RP.1	Calculate a unit rate with two fractions using division	LZ2966
7.RP.2a	Analyze a table to determine find proportional relationships	LZ1865
7.RP.2a	Determine if two rates are equivalent by graphing	LZ870
7.RP.3	Calculate percent of a number using a proportion model	LZ3458
7.RP.3	Apply taxes tips and discounts using a proportion and scale factor	LZ3507
7.RP.3	Calculate percent increase and decrease in context	LZ3581
8th grade	**Lesson Title**	**LZ Quick Code**
8.EE.7/7b	Solve linear equations with rational numbers by using integers	LZ3146
8.EE.7/7b	Solve linear equations with rational numbers using decimal form	LZ3183
8.EE.7/7b	Solve linear equations with rational numbers using fractions	LZ3197

8.EE.8c	Solve pairs of linear equations visually by using visual models	LZ4045
8.EE.8c	Identify linear systems that have no solution by using a visual model	LZ4046
8.EE.8c	Solve linear systems algebraically using substitution	LZ4048
8.G.3	Explore dilations	LZ3395
8.G.3	Understand how translations change coordinates	LZ3499
8.G.3	Understand how reflections and rotations change coordinates	LZ3517
8.G.5	Relate angles and transversals	LZ3543
8.G.5	Understand the properties of the interior angles of triangles	LZ3599
8.G.5	Understand the relationship between exterior angles	LZ3600
8.G.5	Determine similarity by comparing angles	LZ3591
8.G.9	Develop and apply the formula for volume of a cylinder	LZ1353
8.G.9	Develop and apply the formula for volume of a cone	LZ1358
8.G.9	Develop and apply the formula for volume of a sphere	LZ1361