

Subject: <u>GoMath!</u> (2 Periods)	Date:
Lesson 4.8	Topic: Multiply with 8
Period 1 - Lesson Objective: Students will use doubles, a number line, or the Associative Property of Multiplication to multiply with the factor 8.	Essential Question: What strategies can you use to multiply with 8?
Common Core Standards: <u>3.OA.C.7:</u> Fluently multiply and divide within 100, using strategies such as the relationship between multiplication and division (e.g., knowing that $8 \times 5 = 40$, one knows $40 \div 5 = 8$) or properties of operations. By the end of Grade 3, know from memory all the products of two one-digit numbers.	Key Terms to Understand: Pattern, multiple, factor, product, associative property
	Review and Link with Prior Knowledge: <ol style="list-style-type: none"> 1) Go over HW 2) Review multiplication fluency using flashcards.
<p style="text-align: center;">Strategies for today's lesson:</p> <p>This lesson presents several ways to multiply with 8—making jumps of 8 on a number line, and doubling the product of 4 and the other factor. In this lesson, students also apply the Associative Property of Multiplication, complete function tables, and solve and write word problems to deepen their understanding of multiplication and increase their facility with basic facts. The goal is to make multiplying by 8 flexible and fast!</p>	
Lesson Plan Procedures: Explain that students will use patterns and strategies to help them learn and remember multiplication facts. <u>Unlock the Problem:</u> One Way: <ul style="list-style-type: none"> • Model/Guide them through filling in the blue box and completing the problem. Ask: Why can you double a 4s fact to find the product for <u>gg</u> 8s fact? Possible answer: doubling 4 gives me 8, so doubling a 4s fact gives me <u>gg</u> 8s fact. Think: The factor 8 is an even number. $4 + 4 = 8$ Another Way: Another method is to use a number line. <u>Be sure to count the spaces between the tick marks, not the tick marks.</u> Ask: <ul style="list-style-type: none"> • What numbers do you land on when you make 5 jumps of 8 on the number line? (8, 16, 24, 32, 40) • What numbers would you land on if you used the Commutative Property, or 8×5? (5, 10, 15, 20, 25, 30, 35, 40) Help students understand that there is more than one way to find a product using doubles when both factors are even numbers.	

Gomath Grade 3 Lesson Plans

**John Almarode, Douglas Fisher, Nancy
Frey, Kierstan Barbee**



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Hands-On Mathematics, Grade 3 Jennifer Lawson, 2006 This teacher resource offers a detailed introduction to the Hands On Mathematics program guiding principles implementation guidelines an overview of the processes that grade 3 students use and develop during mathematics inquiry and a classroom assessment plan complete with record keeping templates and connections to the Achievement Levels outlined in the Ontario Mathematics Curriculum It also provides strategies and visual resources for developing students mental math skills Each unit is divided into lessons that focus on specific curricular expectations Each lesson has materials lists activity descriptions questioning techniques problem solving examples activity centre and extension ideas assessment suggestions activity sheets and visuals Portage Main Press

Physical Education Lesson Plans for Classroom Teachers, Kindergarten-3rd Grade Carol Jahan, 2010-03-10 Lesson plan books for classroom teachers to be able to provide a whole year complete program of physical education for each grade level K 6 All activities are standard based and follow a sequence so classroom teachers can follow the progression without having to spend a lot of time trying to decide what to teach next Each game skill or fitness activity is labeled for its appropriate grade level and the standard it meets so the teacher is confident in providing a program his her students will enjoy It s all been done for the classroom teacher All he she has to do is follow the book In print book format and ebook format two editions are available K 3rd Grade and Grades 4 6 About the author Carol Jahan is a physical education specialist with over 20 years experience teaching this complete program of physical education for grades K 6 She has developed and taught these programs and helps classroom teachers by providing lesson plans that are easy to follow and teach She has written these lesson plan books for classroom teachers to follow and also add their own activities through the school year to provide a complete program of physical education for their grade level

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Resources in Education , 1999 Differentiated Instruction Amy Benjamin, 2003 First Published in 2003 Routledge is an imprint of Taylor Francis an informa company **Differentiated Instruction for K-8 Math and Science** Mary Hamm, 2013-10-18 This book offers practical recommendations to reach every student in a K 8 classroom Research based and written in a teacher friendly style it will help teachers with classroom organization and lesson planning in math and science Included are math and science games activities ideas and lesson plans based on the math and science standards This book

will help your students to develop positive attitudes and raise competency in math and science **Teaching Reading Across the Day, Grades K-8** Jennifer Serravallo, 2024-04-12 Reading well across disciplines and within varied contexts will help students to be versatile flexible deep readers who can better learn from their reading transfer skills across subjects and use strategies to meet the unique demands of reading in each content area Jennifer Serravallo Research based easy to use lesson structures for explicit and engaging teaching In Teaching Reading Across the Day literacy expert Jennifer Serravallo provides nine effective predictable research based lesson structures that help busy teachers save planning time and focus their teaching and student attention on content rather than procedures Each of the nine lesson structures read aloud phonics and spelling vocabulary focus shared reading close reading guided inquiry reader s theater and conversation has its own chapter and features a wealth of resources that let you see the lessons in action in ELA Science and Social Studies classes including An annotated teaching vignette lesson explanation and research notes Tips for planning structure and timing suggestions and ideas for responsive teaching Detailed planning templates and 22 accompanying online videos covering over 3 hours of classroom footage Jen s reflections key look fors and ideas for next steps The nine lesson structures can be used with any curriculum or core program text and subject making it easier for teachers to maximize explicit and engaging teaching time across the day and simplify planning and preparation Jen incorporates a wide range of compelling research about how best to teach reading to every student in your class and translates the research or the science of teaching reading into high leverage moves you can count on to deliver powerful lessons again and again She also honors the art of teaching reading helping teachers tap into their experience and hone their expertise to make quick effective classroom decisions that take student learning to the next level *Language Arts, Math, and Science in the Elementary Music Classroom* Kim Milai, 2017-08-02 Language Arts Math and Science in the Elementary Music Classroom provides a practical guide to help music teachers incorporate elementary classroom subjects into their curriculum using STEAM Science Technology Engineering Arts and Math inspired strategies with added emphasis on social studies [Fitness for Life](#) Dolly Lambdin, Charles B. Corbin, Guy C. Le Masurier, Meg Greiner, 2010 A program that focuses attention on schoolwide wellness during four weeks of the school year Helps schools incorporate coordinated activities that will enable them to meet national standards and guidelines for physical activity and nutrition Includes lesson plans for physical education physical activities for the classroom and whole school events and activities *Learning Beyond Cognition* Niels Kryger, Birte Ravn, 2007-06-11 Learning beyond Cognition goes beyond a merely cognitive understanding of learning The concept denotes the ideological and mental formation of the individual as well as the individual s own shaping of an identity Learning beyond Cognition expands on the notion of Building and the current debate about citizenship education The book outlines contemporary educational policies and practices in Europe and other Western countries The authors analyse dominating discourses and learning practices to identify their social and cultural grounding and potentials The authors are experienced international

scholars This book is aimed to become an essential resource for researchers teachers students and policy makers who address the current challenges to learning

Classroom Time Management Bk. 1 Dick Webster,Dave Bailey,1992-05

Internet Activities Through the Year Mary Zinn Beiting,2002-06 *Let's Go Outside!* Education.com,2015-06-17 This wide ranging workbook offers hundred of activities coloring pages simple science experiments journals and graphs matching games crosswords and more that will help students explore the world around them

Mobile Learning Devices Kipp D. Rogers,2011-11-01 Do you share doubts with parents about the use of mobile learning devices MLDs in the classroom Learn exactly what mobile learning is how to introduce MLDs into your school and how to ensure that teachers and students use them appropriately to enhance 21st century learning Logistical implementation tips and examples of effective lesson plans are included

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Helping Children Learn Mathematics Robert Reys,Mary Lindquist,Diana V. Lambdin,Nancy L. Smith,2014-10-20 The 11th Edition of Helping Children Learn Mathematics is designed to help those who are or will be teachers of mathematics in elementary schools help children develop understanding and proficiency with mathematics so they can solve problems This text is built around three main themes helping children make sense of mathematics incorporating practical experiences and using research to guide teaching It also integrates connections and implications from the Common Core Standards Mathematics CCSS M

The Seattle Times School Guide Katherine Long,2000

Integrating Technology in the Classroom ,1999 ENC Focus ,2001

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