

Grade 7 Common Core Math Worksheet

Name: _____

Date: _____

Part 1: Ratios and Proportional Relationships

1. Write the ratio

There are 18 boys and 12 girls in a class. Write the ratio of boys to girls.

2. Simplify the ratio

Simplify the ratio of 36 apples to 24 oranges.

3. Find the missing value

If 4 pencils cost \$2.00, how much will 12 pencils cost?

4. Unit rate problem

If a car travels 240 miles in 4 hours, what is the unit rate (miles per hour)?

5. Solving proportions

Solve for x : $\frac{7}{9} = \frac{x}{27}$

Part 2: The Number System

6. Perform the operations

$56 - 19 + 15 \times 2 =$ _____

7. Divide fractions

$\frac{7}{8} \div \frac{5}{6} =$ _____

8. Convert a decimal to a fraction

Convert 0.875 to a fraction and simplify it.

9. Find the greatest common factor (GCF)

Find the GCF of 54 and 72.

Common Core Math Activities For 7th Grade

Marjorie Frank



Common Core Math Activities For 7th Grade:

Common Core Math Marjorie Frank, 2014 This activity guide features high appeal themes to ignite student interest great sparks for lessons practice and discussion student friendly assessment and a list of related Common Core state standards

Common Core Math Activities, Grades 6 - 8 Karise Mace, 2015-01-23 Centered around Common Core State Standards *Common Core Math Activities* features hands on lab activities that allow students to explore and gain deeper understanding of mathematical concepts From Wrapping Packages to Crime Scene Investigation students will be challenged to pull from previous mathematical knowledge and extend it as they investigate mathematical relationships and concepts This 96 page resource features teacher pages which include materials pacing and helpful tips for each lab Each activity is designed to help develop problem solving skills Mark Twain Media Publishing Company specializes in providing captivating supplemental books and decorative resources to complement middle and upper grade classrooms Designed by leading educators the product line covers a range of subjects including mathematics sciences language arts social studies history government fine arts and character

Common Core Math Grade 7 Marjorie Frank, 2014-09-16 Connected to Common Core State Standards Cover [Math Lesson Starters for the Common Core, Grades 6-8](#) Paige Graiser, 2014-06-05 The best way to prepare students for the Common Core State Standards in Math is through daily practice This book provides engaging practical lesson starters you can use each day to help middle school students become proficient in the complex mathematical thinking required by the Common Core The lesson starters in this book are reproducible and ready to use in the classroom aligned with the five domains of the Common Core State Standards in Math written to elicit the type of deep thinking that students need to succeed on the non traditional PARCC and Smarter Balanced assessments and powerful formative assessment tools to assist teachers in diagnosing student misconceptions so that daily lessons can be fine tuned to meet the immediate learning needs of their students Lesson starters not only aid instruction but also cut back on classroom management problems since students get to work right when the bell rings This book will help you engage students save planning time and bring all students to success in math

Common Core Math Workbook Michael Smith, The only prep book you will ever need to ace the Common Core Math Test *Common Core Math Workbook* reviews all Common Core Math topics and provides students with the confidence and math skills they need to succeed on the Common Core Math It is designed to address the needs of Common Core test takers who must have a working knowledge of basic Mathematics This comprehensive workbook with over 2 500 sample questions and 2 complete Common Core tests can help you fully prepare for the Common Core Math test It provides you with an in depth focus on the math portion of the exam helping you master the math skills that students find the most troublesome This is an incredibly useful tool for those who want to review all topics being covered on the Common Core Math test *Common Core Math Workbook* contains many exciting features to help you prepare for the Common Core Math test including Content 100% aligned with the 2019 2020 Common Core test

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Family Math Night 6-8 Jennifer Taylor-Cox, Christine Oberdorf, 2018-06-13 Host Family Math Nights at your middle school starting today Family Math Nights are a great way for teachers to get parents involved in their children's education and to promote math learning outside of the classroom In this practical book you'll find step by step guidelines and activities to help you bring Family Math Nights to life The enhanced second edition is aligned with the Common Core State Standards for Mathematical Content and Practice with new activities to help students explain their answers and write about math It also comes with ready to use handouts that you can distribute during your event With the resources in this book you'll have everything you need to help students learn essential math concepts including ratios and proportional relationships the number system expressions and equations geometry and statistics and probability in a fun and supportive environment Special Features The book is organized by math content so you can quickly find activities that meet your needs Each activity is easy to implement and includes a page of instructions educators can use to prepare the station as well as a page for families that explains the activity and can be photocopied and displayed at the station All of the family activities can be photocopied or downloaded from our website www.routledge.com/9781138200999 so that you can distribute them during your event **Teaching for Creativity in the Common Core Classroom** Ronald A. Beghetto, James C. Kaufman, John Baer, 2015 Creativity and the Common Core State Standards are both important to today's teachers Yet for many educators nurturing students' creativity seems to conflict with ensuring that they learn specific skills and content In this book the authors outline ways to adapt existing lessons and mandated curricula to encourage the development of student creativity alongside more traditional academic skills Based on cutting edge psychological research on creativity the text debunks common misconceptions about creativity and describes how learning environments can support both creativity and the Common Core offers creative lessons and insights for teaching English language arts and mathematics and includes assessments for creativity and Common Core learning Featuring numerous classroom examples this practical resource will empower teachers to think of the Common Core and creativity as encompassing complementary rather than mutually exclusive goals Book Features Shows how teaching skills mandated by the CCSS and teaching for creativity can reinforce one another Helps teachers better understand what creativity is how to develop it and how to assess it in meaningful ways Examines the many misconceptions about creativity that prevent teachers from doing their best work Provides classroom examples ideas and lesson plans from successful teachers across disciplines This wonderful book makes the important point that teaching to well designed standards is completely consistent with teaching for creativity It is filled with practical advice

for teachers about how to teach to Common Core standards in both ELA and math in ways that lead to creative learning outcomes Keith Sawyer Morgan Distinguished Professor in Educational Innovations University of North Carolina at Chapel Hill Beghetto and Baer make a strong nuanced case that knowledge for the sake of knowledge may be acceptable for immediate retention but knowledge in the service of creating new possibilities has long term consequences that can't be ignored by educators and society Scott Barry Kaufman scientific director The Imagination Institute and researcher Positive Psychology Center University of Pennsylvania

Grade 7 Common Core Math Review Sandra Luna McCune, 2015 A subject review of Common Core Math for Grade 7 including reviews of topics example problems and two practice tests for this high stakes Grade 7 Math

Classroom-Ready Number Talks for Sixth, Seventh, and Eighth Grade Teachers Nancy Hughes, 2020-03-31 The fun way to teach middle schoolers the mental math problem solving skills they need to meet common core standards and attain mathematical fluency Bringing the exciting teaching method of number talks into your classroom has never been easier Simply choose from the hundreds of great ideas in this book and get going with no extra time wasted From activities on multiplication and division to decimals and integers Classroom Ready Number Talks for Sixth Seventh and Eighth Grade Teachers includes Grade level specific strategies Number talk how tos Visual and numerical examples Scaffolding suggestions Common core alignments Questions to build understanding Reduce time spent lesson planning and preparing materials and enjoy more time engaging your students in learning important math concepts These ready to use number talks are sure to foster a fresh and exciting learning environment in your classroom

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Common Core Math Activities For 7th Grade Introduction

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