

FRACTIONS

5th Grade Math Posters

Add and Subtract Mixed Numbers

You can add and subtract mixed numbers.

Mixed Numbers With the Same Denominator
Step 1: Add or subtract the whole numbers.

$$2\frac{2}{6} + 4\frac{1}{6} = 6$$

Step 2: Add or subtract the numerators.

$$2\frac{2}{6} + 4\frac{1}{6} = 6\frac{3}{6}$$

Step 3: Keep the denominator the same.

$$2\frac{2}{6} + 4\frac{1}{6} = 6\frac{3}{6}$$

Mixed Numbers With Different Denominators
Step 1: Find the LCD and convert the fractions.

$$1\frac{1}{3} + 3\frac{2}{4} = ?$$

Multiples of 3: 3, 6, 9, 12
Multiples of 4: 4, 8, 12
LCD = 12

$$1\frac{4}{12} + 3\frac{6}{12} = ?$$

Step 2: Follow all the steps for adding or subtracting fractions with the same denominator.

$$1\frac{4}{12} + 3\frac{6}{12} = 4\frac{10}{12}$$

Add Fractions with Unlike Denominators

You can add fractions with different denominators. Follow the steps to add the following fractions:

$$\frac{3}{4} + \frac{1}{6} = ?$$

Step 1: Find the LCD
Your first step is to find the **Least Common Denominator**. You can find this by listing out all the multiples of the two denominators and selecting the smallest.

Multiples of 4: 4, 8, 12, 16, 20, 24, 28
Multiples of 6: 6, 12, 18, 24, 30, 36
The LCD is 12.

Step 3: Add the new equivalent fractions together
Now that you have fractions with the same denominator, you can easily add them together.

$$\frac{9}{12} + \frac{2}{12} = \frac{11}{12}$$

Step 2: Find equivalent fractions using the LCD
Your next step is to create two equivalent fractions using the LCD you found in step 1.

$$\begin{array}{l} 3 \times \frac{3}{4} = \frac{9}{12} \\ 1 \times \frac{2}{6} = \frac{2}{12} \end{array}$$

Step 4: Draw a model to check your work.
Create a model to check your work.



Divide Whole Numbers by Unit Fractions

You can divide a whole number by a unit fraction.

How many $\frac{1}{3}$ have, $4 \div \frac{1}{3}$ — Split into how many groups.

EXAMPLE:

Megan has four candy bars. If she eats one third of her candy bar each day, how many days will she be able to eat part of her candy bar before she runs out.



Each circle represents one candy bar. You can see that each candy bar has been split into thirds. There are twelve thirds in all. She can eat one third of a candy bar for 12 straight days.

Step 1:	Step 2:	Step 3:	Step 4:
Convert whole numbers to fractions.	Find the reciprocal of the divisor (the number you are dividing by).	Change the division symbol to multiplication symbol.	Multiply the fractions (cancel) and simplify if needed.
$\frac{4}{1} \div \frac{1}{3}$	$\frac{4}{1} \div \frac{3}{1}$	$\frac{4}{1} \times \frac{3}{1}$	$\frac{12}{1} = 12$

Multiply Fractions and Whole Numbers

You can use many different strategies to multiply fractions and whole numbers together. Multiplication is the repeated addition of a number. This even includes fractional!

$$\text{Multiply: } 3 \times \frac{2}{3}$$

Strategy 1: Draw a Model



Strategy 2: Repeated Addition

Step 1: Add the fractions together.

$$\frac{2}{3} + \frac{2}{3} + \frac{2}{3} = \frac{6}{3}$$

Step 2: Simplify if needed.

$$\frac{6}{3} = 2$$

Strategy 3: Multiplication

Step 1: Rewrite the whole number as a fraction and multiply.

$$\frac{3}{1} \times \frac{2}{3} = \frac{6}{3}$$

Step 2: Simplify if needed.

$$\frac{6}{3} = 2$$

You can use multiple strategies to double check your work.

Go Math Lesson Plans 5th Grade

Xiaolong Qi



Go Math Lesson Plans 5th Grade:

Survive Math 5, Grade 5, version 1 ,2006 *Guided Math Lessons in Fifth Grade* Nicki Newton,2022-09-20 Guided Math Lessons in Fifth Grade provides detailed lessons to help you bring guided math groups to life Based on the bestselling Guided Math in Action this practical book offers 16 lessons taught in a round of 3 concrete pictorial and abstract The lessons are based on the priority standards and cover fluency word problems fractions and decimals Author Dr Nicki Newton shows you the content as well as the practices and processes that should be worked on in the lessons so that students not only learn the content but also how to solve problems reason communicate their thinking model use tools use precise language and see structure and patterns Throughout the book you ll find tools templates and blackline masters so that you can instantly adapt the lesson to your specific needs and use it right away With the easy to follow plans in this book students can work more effectively in small guided math groups and have loads of fun along the way Remember that guided math groups are about doing the math So throughout these lessons you will see students working with manipulatives to make meaning doing mathematical sketches to show what they understand and can make sense of the abstract numbers When students are given the opportunities to make sense of the math in hands on and visual ways then the math begins to make sense to them

Fifth Grade Math with Confidence Instructor Guide Kate Snow,2025-07-01 Teach Fifth Grade Math with Confidence This scripted open and go program from math educator Kate Snow will give you the tools you need to teach math with confidence even if it s been years since you learned these concepts yourself Engaging hands on lessons will help your child develop a strong understanding of math step by step This scripted open and go program from math educator Kate Snow will give you the tools you need to teach math with confidence even if it s been years since you learned these concepts yourself Engaging hands on lessons will help your child develop a strong understanding of math step by step adding subtracting multiplying and dividing decimals adding and subtracting fractions with different denominators multiplying and dividing fractions and mixed numbers multi step fraction and decimal word problems solving measurement problems with fractions and decimals line graphs and the coordinate plane geometry and volume mean and median Your child will develop strong math skills and a positive attitude toward math with fun games and real world applications All you ll need are this Instructor Guide the two Student Workbooks Part A and Part B and a few simple manipulatives like base ten blocks and fraction tiles to make math come alive for your child Hands on incremental lessons that steadily build conceptual understanding Daily review to ensure children retain what they ve learned and master essential skills Step by step examples help your child develop math study skills and greater independence Games and real world applications make math fun and relevant Clear directions and explanatory notes make teaching straightforward for the parent Optional extension activities and enrichment book recommendation link math lessons with everyday life WHAT PARENTS ARE SAYING Math with Confidence has made math the favorite subject in our homeschool My kids love it and are learning the why behind every new skill they learn As a self

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Hard-to-Teach Science Concepts Susan Koba, Carol T. Mitchell, 2011 Authors Susan Koba and Carol Mitchell introduce teachers of grades 3 5 to their conceptual framework for successful instruction of hard to teach science concepts Their methodology comprises four steps 1 engage students about their preconceptions and address their thinking 2 target lessons to be learned 3 determine appropriate strategies and 4 use Standards based teaching that builds on student understandings The authors not only explain how to use their framework but also provide a variety of tools and examples of its application on four hard to teach foundational concepts the flow of energy and matter in ecosystems force and motion

matter and its transformation and Earth's shape Both preservice and inservice elementary school teachers will find this approach appealing and the authors engaging writing style and user friendly tables help educators adapt the method with ease *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 **Lesson Plan and Record Book** Teacher Created Resources, 2002-02 Weekly lesson plan pages for six different subjects Records for each of four 10 week quarters can be read on facing pages Plus helpful tips for substitute teachers 8 1/2 x 11 Spiral bound

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 - Chapter 3: Go Math Lesson Plans 5th Grade in Everyday Life
 - Chapter 4: Go Math Lesson Plans 5th Grade in Specific Contexts
 - Chapter 5: Conclusion
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 5. In chapter 4, the author will scrutinize the relevance of Go Math Lesson Plans 5th Grade in specific contexts. The fourth chapter will explore how Go Math Lesson Plans 5th Grade is applied in specialized fields, such as education, business, and technology.
 6. In chapter 5, the author will draw a conclusion about Go Math Lesson Plans 5th Grade. This chapter will summarize the key points that have been discussed throughout the book.
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Table of Contents Go Math Lesson Plans 5th Grade

1. Understanding the eBook Go Math Lesson Plans 5th Grade
 - The Rise of Digital Reading Go Math Lesson Plans 5th Grade
 - Advantages of eBooks Over Traditional Books
2. Identifying Go Math Lesson Plans 5th Grade
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Go Math Lesson Plans 5th Grade
 - User-Friendly Interface
4. Exploring eBook Recommendations from Go Math Lesson Plans 5th Grade
 - Personalized Recommendations
 - Go Math Lesson Plans 5th Grade User Reviews and Ratings
 - Go Math Lesson Plans 5th Grade and Bestseller Lists
5. Accessing Go Math Lesson Plans 5th Grade Free and Paid eBooks
 - Go Math Lesson Plans 5th Grade Public Domain eBooks
 - Go Math Lesson Plans 5th Grade eBook Subscription Services
 - Go Math Lesson Plans 5th Grade Budget-Friendly Options
6. Navigating Go Math Lesson Plans 5th Grade eBook Formats
 - ePub, PDF, MOBI, and More
 - Go Math Lesson Plans 5th Grade Compatibility with Devices
 - Go Math Lesson Plans 5th Grade Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Go Math Lesson Plans 5th Grade
 - Highlighting and Note-Taking Go Math Lesson Plans 5th Grade
 - Interactive Elements Go Math Lesson Plans 5th Grade
8. Staying Engaged with Go Math Lesson Plans 5th Grade

- Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Go Math Lesson Plans 5th Grade
9. Balancing eBooks and Physical Books Go Math Lesson Plans 5th Grade
- Benefits of a Digital Library
 - Creating a Diverse Reading Collection Go Math Lesson Plans 5th Grade
10. Overcoming Reading Challenges
- Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Go Math Lesson Plans 5th Grade
- Setting Reading Goals Go Math Lesson Plans 5th Grade
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Go Math Lesson Plans 5th Grade
- Fact-Checking eBook Content of Go Math Lesson Plans 5th Grade
 - Distinguishing Credible Sources
13. Promoting Lifelong Learning
- Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
14. Embracing eBook Trends
- Integration of Multimedia Elements
 - Interactive and Gamified eBooks

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