

FRACTIONS AND DECIMALS AGES 7 9 EASY MATHS ACTIVITIE File PDF

fractions and decimals ages 7 9 easy maths activitie

Mathematics can be both fun and educational for children aged 7 to 9, especially when learning about fractions and decimals. At this stage, kids are developing foundational skills that will support their understanding of more advanced math concepts in the future. Engaging activities that are easy, interactive, and tailored to their age can make learning about fractions and decimals enjoyable while reinforcing essential skills. This article explores a variety of easy maths activities designed specifically for children aged 7 to 9, focusing on fractions and decimals, to help parents and teachers create a stimulating learning environment.

Understanding Fractions and Decimals in Early Education

Before diving into activities, it's important to understand why fractions and decimals are vital components of early math education.

The Importance of Learning Fractions and Decimals

Fractions and decimals are fundamental in understanding parts of a whole, measurements, and real-world applications like money and time. Learning these concepts helps children develop:

- Numerical comprehension
- Problem-solving skills
- Visual-spatial reasoning
- Real-world math literacy

Developmental Milestones for Ages 7-9

Children in this age group typically:

- Recognize fractions as parts of a whole
- Understand basic fractions like $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$
- Convert simple fractions to decimals
- Recognize decimal notation for parts of a whole

- Compare and order fractions and decimals

Engaging and Easy Maths Activities for Fractions and Decimals

The key to teaching fractions and decimals effectively is to use activities that are hands-on, visual, and interactive. Here are some of the best activities tailored for children aged 7 to 9.

1. Fraction Pizza Party

Objective: Visualize fractions by dividing a pizza into slices.

Materials Needed:

- Paper or cardboard pizza templates
- Scissors
- Markers

Steps:

- Draw a large circle on the paper to represent a pizza.
- Cut the circle into different fractions: halves, thirds, quarters, etc.
- Label each slice with its fraction (e.g., $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$).
- Have children assemble different "pizzas" by combining slices to make whole pizzas.
- Discuss how different fractions combine to make a whole.

Benefits:

- Visualizes how parts make up a whole
- Encourages understanding of fraction equivalence and addition

2. Fraction and Decimal Matching Game

Objective: Match fractions with their decimal equivalents.

Materials Needed:

- Flashcards with fractions (e.g., $\frac{1}{2}$, $\frac{1}{3}$, $\frac{3}{4}$)

- Flashcards with decimal numbers (.5, .33, .75)

Steps:

- Mix the cards and spread them out face down.
- Children take turns flipping two cards at a time.
- When a match is found (e.g., $\frac{1}{2}$ and .5), they keep the pair.
- Continue until all matches are made.

Benefits:

- Reinforces the connection between fractions and decimals
- Builds memory and recognition skills

3. Using Measurement and Money Activities

Objective: Apply fractions and decimals through real-world context.

Activities:

- Cooking and Baking: Use measuring cups to understand halves, thirds, and quarters.
- Shopping Simulations: Use play money to add, subtract, and compare prices involving decimals.

Steps:

- Have children measure ingredients and discuss how fractions are used in recipes.
- Set up a mock store where children use play money to buy items priced with decimals.
- Practice making change, adding prices, and understanding decimal notation.

Benefits:

- Connects math concepts to everyday life
- Reinforces practical understanding of decimals and fractions

4. Fraction and Decimal Art Projects

Objective: Use art to visualize and understand fractions and decimals.

Materials Needed:

- Colored paper
- Rulers
- Scissors
- Glue

Steps:

- Create a 'fraction collage' by dividing paper into sections and coloring parts to represent different fractions.
- Make a decimal grid (e.g., a 10x10 grid) and shade in parts to represent decimals.
- Label each section with the corresponding fraction and decimal.

Benefits:

- Enhances visual learning
- Encourages creativity while reinforcing math concepts

5. Interactive Digital Games and Apps

Objective: Use technology to practice fractions and decimals in an engaging way.

Popular Options:

- Khan Academy Kids: Offers interactive lessons on fractions and decimals.
- Prodigy Math Game: Adaptive game with math challenges suitable for ages 7-9.
- SplashLearn: Focuses on fraction and decimal activities with fun graphics.

Benefits:

- Self-paced learning
- Immediate feedback
- Reinforces concepts through gamification

Tips for Teaching Fractions and Decimals to Ages 7-9

To maximize the effectiveness of these activities, consider the following tips:

- **Use Visual Aids:** Charts, diagrams, and physical objects help children grasp abstract concepts.
- **Connect to Everyday Life:** Relate fractions and decimals to real-world situations like cooking, shopping, or measuring.
- **Make it Fun:** Incorporate games, stories, and creative projects to keep children engaged.
- **Be Patient and Supportive:** Encourage questions and celebrate small successes to build confidence.
- **Practice Regularly:** Short, consistent practice sessions are more effective than infrequent long ones.

Conclusion: Making Fractions and Decimals Easy and Enjoyable

Teaching fractions and decimals to children aged 7 to 9 can be both easy and enjoyable when using the right activities. By incorporating visual aids, hands-on projects, real-life applications, and technology, educators and parents can foster a positive learning environment. These activities not only develop foundational math skills but also spark curiosity and confidence in young learners. Remember, the key is to keep activities age-appropriate, interactive, and fun?turning math learning into an exciting adventure rather than a chore.

By integrating these easy maths activities into daily routines and lessons, children will develop a strong understanding of fractions and decimals, setting a solid foundation for future mathematical success.

Fractions and decimals ages 7-9 easy maths activities are essential tools in early elementary education, helping young learners develop a solid understanding of fundamental mathematical concepts. At this age, children are transitioning from concrete to more abstract thinking, making engaging and age-appropriate activities critical for fostering confidence and competence in fractions and decimals. This guide offers practical, easy-to-implement activities designed to make learning about fractions and decimals both fun and educational for children aged 7 to 9.

Understanding the Importance of Fractions and Decimals for Ages 7-9

Before diving into activities, it's vital to recognize why fractions and decimals are crucial at this stage. During ages 7 to 9, children are building their number sense and beginning to grasp the relationship between parts and wholes, as well as how numbers can be represented in different ways. Mastering fractions and decimals at this stage lays the groundwork for more advanced topics like ratios, percentages, and algebra later on.

Key Concepts to Cover in Fractions and Decimals Activities

To ensure effective learning, focus on these core concepts:

- Fractions as parts of a whole (e.g., $\frac{1}{2}$, $\frac{3}{4}$)
- Equivalent fractions (e.g., $\frac{1}{2} = \frac{2}{4}$)
- Simplifying fractions
- Introducing decimals as another way to represent parts of a whole
- Understanding place value in decimals (tenths, hundredths)
- Converting fractions to decimals (and vice versa)

Fun and Easy Maths Activities for Fractions and Decimals

- Fraction Pizza Party

Objective: Help children visualize fractions as parts of a whole.

Materials Needed: Paper pizza slices or real slices, coloring materials, paper plates or cut-outs.

Activity Steps:

- Provide children with a paper circle (or a real pizza cut into slices).
- Have them divide the pizza into equal slices (e.g., halves, thirds, quarters).
- Ask them to color specific fractions (e.g., color $\frac{1}{4}$ of the pizza).
- Discuss how different slices represent different fractions and how multiple slices add up to a whole.

Extension Ideas:

- Explore equivalent fractions by combining slices (e.g., two $\frac{1}{4}$ slices equal $\frac{1}{2}$).
- Use different toppings to make each slice unique, emphasizing the idea of parts making a whole.

- Fraction and Decimal Matching Game

Objective: Connect fractions with their decimal equivalents.

Materials Needed: Flashcards with fractions (e.g., $\frac{1}{2}$, $\frac{1}{4}$, $\frac{3}{4}$), decimals (e.g., 0.5, 0.25, 0.75).

Activity Steps:

- Prepare a set of flashcards with fractions and decimals.
- Mix them and have children match each fraction card with its corresponding decimal.
- Discuss why certain fractions and decimals are equivalent.

Tips:

- Start with simple common equivalents.
- Use visual aids like number lines to demonstrate the relationships.

- Number Line Adventures

Objective: Develop understanding of fractions and decimals on a number line.

Materials Needed: Large paper or whiteboard, markers, ruler.

Activity Steps:

- Draw a number line from 0 to 1.
- Mark off key fractions ($\frac{1}{2}$, $\frac{1}{4}$, $\frac{3}{4}$) and their decimal equivalents (0.5, 0.25, 0.75).
- Have children place fraction and decimal cards onto the correct positions on the line.
- Extend to decimals beyond 1 for more advanced learners.

Benefits:

- Visual understanding of how fractions and decimals relate to each other.
- Reinforces the concept of parts of a whole.

- Decimal Addition and Subtraction with Money

Objective: Use real-life context to understand decimals.

Materials Needed: Play money or printable images of coins and bills.

Activity Steps:

- Introduce the idea that dollars and cents are decimals (e.g., \$1.25).
- Present simple addition and subtraction problems (e.g., $\$0.75 + \0.50).
- Let children practice calculating totals and change.

Extensions:

- Create shopping scenarios where children "buy" items and calculate totals.
- Encourage them to write the amounts as decimals and fractions.

- Fraction and Decimal Art Collage

Objective: Visualize fractions and decimals through creative expression.

Materials Needed: Magazines, colored paper, glue, scissors.

Activity Steps:

- Cut out shapes or sections representing fractions (e.g., half a circle, quarter squares).
- Label each section with its fraction and decimal equivalent.
- Arrange and glue onto a poster to create a colorful collage.

Educational Benefit:

- Reinforces understanding through visual and tactile learning.
- Encourages discussion about parts of a whole.

Tips for Making Fractions and Decimals Activities Engaging and Effective

- Use tangible materials: Manipulatives like fraction bars, pie charts, or counters make abstract concepts concrete.
- Incorporate storytelling: Frame activities around real-life scenarios (e.g., sharing pizza,

shopping).

- Make it interactive: Encourage children to explain their thinking and reasoning.
- Utilize technology: Educational games and apps can reinforce concepts in a fun way.
- Provide plenty of praise and encouragement: Building confidence is key at this stage.

Additional Resources and Tools

To supplement these activities, consider utilizing:

- Online interactive games (e.g., Khan Academy, Math Playground)
- Printable worksheets for practice
- Fraction and decimal manipulatives (e.g., fraction circles, base-ten blocks)
- Educational videos explaining fractions and decimals visually

Final Thoughts

Engaging children ages 7-9 in fractions and decimals easy maths activities is about making learning accessible, relatable, and enjoyable. By combining visual aids, hands-on activities, and real-world applications, educators and parents can foster a deep understanding of these foundational concepts. Remember, the goal is to build confidence and curiosity in mathematics, setting the stage for more advanced topics in the future. With patience, creativity, and consistency, young learners can master fractions and decimals in a way that inspires lifelong mathematical thinking.

Question What is a fraction and how is it related to decimals? A fraction shows parts of a whole, like $\frac{1}{2}$, while a decimal represents the same part in a decimal form, like 0.5. Both are ways to express parts of a whole. **Answer** How can I convert a simple fraction to a decimal? Divide the numerator (top number) by the denominator (bottom number). For example, $\frac{1}{2}$ becomes 1 divided by 2, which equals 0.5. What is an easy activity to compare two fractions? Find common denominators and see which numerator is bigger. For example, compare $\frac{1}{4}$ and $\frac{1}{2}$ by converting $\frac{1}{2}$ to $\frac{2}{4}$, so $\frac{1}{4}$ vs $\frac{2}{4}$? $\frac{2}{4}$ is bigger. How can I practice adding fractions and decimals? Use simple examples like $\frac{1}{4} + \frac{1}{4}$ or $0.2 + 0.3$ by lining up decimal points or common denominators, then adding or subtracting. What is a fun activity to learn about fractions and decimals? Use a pizza or a cake divided into slices to visualize fractions, then convert those slices into decimal form to see the connection. How do I convert decimals to fractions? Write the decimal as a fraction with 1 as the denominator, then multiply numerator and denominator to make it a whole number. For example, $0.75 = \frac{75}{100}$, which simplifies to $\frac{3}{4}$. What are some easy games to practice fractions and decimals? Playing matching games where you match equivalent fractions and decimals, or using number line games to place decimals and fractions in order. Why is it important to learn about fractions and decimals at this age? Because they help you understand parts of a whole and how numbers work, which are important skills for more advanced math and real-life situations. Can I use everyday objects to learn

about fractions and decimals? Yes! Use things like chocolate bars, apples, or coins to cut into parts and see how those parts relate to decimals and fractions.

Related keywords: fractions, decimals, ages 7-9, math activities, easy math games, beginner math, learning fractions, decimal activities, elementary math, math for kids

decimals fractions grade 5

decimals fractions grade 5 is a fundamental topic in elementary mathematics that helps students develop a solid understanding of how numbers work beyond whole numbers. At this stage, fifth-grade students are introduced to the concept of decimals and fractions as two ways of representing parts of a whole. Mastering these concepts is crucial because they form the foundation for more advanced math topics such as ratios, percentages, and algebra. In this article, we'll explore the key concepts, teaching strategies, and practical tips to help fifth graders become confident in working with decimals and fractions.

Understanding Fractions and Decimals in Grade 5

What Are Fractions?

Fractions are a way of representing parts of a whole or parts of a set. They consist of a numerator (top number) and a denominator (bottom number). For example, in the fraction $\frac{3}{4}$, the numerator 3 indicates three parts, and the denominator 4 shows that the whole is divided into four equal parts.

Key points about fractions:

- Fractions can be proper (numerator less than denominator), improper (numerator greater than or equal to denominator), or mixed numbers.
- Fractions are used in everyday life, such as measuring ingredients or dividing objects.

What Are Decimals?

Decimals are another way to represent parts of a whole, especially when dealing with fractions that have denominators of 10, 100, or 1000. They use a decimal point to separate the whole number part from the fractional part.

Key points about decimals:

- Decimals extend the number line to include fractional parts.
- They are often easier to work with in addition, subtraction, and comparisons.
- Decimals are essential for understanding money, measurements, and percentages.

Teaching Strategies for Decimals and Fractions

Use Visual Aids and Models

Visual representations make abstract concepts concrete. For example:

- Pie charts and circle models to show fractions.
- Number lines to compare decimals and fractions.
- Base-ten blocks to demonstrate decimal places.

Relate Fractions and Decimals

Students should understand how to convert between fractions and decimals, such as:

- Converting fractions with denominators of 10 or 100 into decimals (e.g., $\frac{3}{4} = 0.75$).
- Converting decimals to fractions (e.g., $0.6 = \frac{3}{5}$).

Incorporate Real-Life Examples

Using real-life scenarios helps students see the relevance of decimals and fractions:

- Cooking measurements ($\frac{1}{2}$ cup, $\frac{1}{4}$ teaspoon).
- Shopping and money calculations.
- Temperatures and weather data.

Practice with Interactive Activities

Activities like games, worksheets, and digital tools can reinforce learning:

- Fraction and decimal matching games.
- Sorting exercises.
- Digital quizzes with instant feedback.

Key Concepts and Skills for Grade 5 Students

Comparing and Ordering Fractions and Decimals

Students should learn to:

- Use visual models and number lines.
- Cross-multiply to compare fractions.
- Convert to decimals for easier comparison.
- Understand the concepts of greater than, less than, and equal to.

Converting Between Fractions and Decimals

This skill is crucial for flexible problem-solving:

- Recognize that fractions with denominators of 10, 100, or 1000 are easily converted.
- Use long division for other fractions.
- Simplify fractions before conversion when possible.

Adding and Subtracting Fractions and Decimals

Students should practice:

- Finding common denominators for fractions.
- Aligning decimal points for addition and subtraction.
- Using visual models to verify answers.

Multiplying and Dividing Decimals and Fractions

- Multiply fractions by multiplying numerators and denominators.
- Convert decimals to fractions before multiplying.
- Divide decimals by moving the decimal point appropriately.
- Use models to understand division of fractions.

Common Challenges and How to Overcome Them

Difficulty Visualizing Fractions and Decimals

Solution: Use concrete manipulatives and visual aids regularly to build understanding.

Converting Fractions to Decimals and Vice Versa

Solution: Provide step-by-step instructions and plenty of practice problems.

Comparing Different Forms of Numbers

Solution: Emphasize the use of number lines and visual models to compare.

Applying Operations with Fractions and Decimals

Solution: Teach strategies for aligning decimals and finding common denominators.

Assessment and Practice Resources

Sample Exercises

- Convert the fraction $\frac{5}{8}$ to a decimal.
- Compare 0.75 and $\frac{3}{4}$.
- Add ? and ?.
- Subtract 0.9 from 1.2.
- Multiply ? by 0.6.
- Divide 0.8 by $\frac{1}{4}$.

Online Tools and Games

- Interactive quizzes on fraction-decimal conversions.
- Virtual manipulatives for visual learning.
- Math games focused on comparing and operating with decimals and fractions.

Conclusion

Mastering decimals and fractions in grade 5 sets the foundation for future math success. By understanding the fundamental concepts, using effective teaching strategies, and practicing regularly, students develop confidence and competence in working with these numbers. Incorporating visual aids, real-life applications, and interactive activities makes learning engaging and meaningful. As students progress, the skills learned in grade 5 will serve as a vital stepping stone toward more complex mathematical concepts in middle school and beyond.

Remember: Patience and practice are key. Encourage students to explore, ask questions, and enjoy the process of learning about decimals and fractions!

Decimals and Fractions for Grade 5: An Expert Guide to Mastering the Basics

Understanding decimals and fractions is a fundamental milestone in a fifth-grade mathematics journey. These concepts form the cornerstone of more advanced topics like algebra, ratios, and percentages. As educators, parents, and learners seek effective ways to grasp these ideas, it's essential to explore the intricacies of decimals and fractions in a comprehensive, detailed manner. This article aims to serve as an expert review, offering deep insights into the teaching, learning, and mastery of decimals and fractions for fifth graders.

Understanding Fractions: The Foundation of Rational Numbers

Fractions are one of the earliest ways children learn to represent parts of a whole. They are a visual and conceptual gateway to understanding ratios, division, and proportional reasoning.

What Are Fractions?

A fraction is a way to represent a part of a whole or a part of a set. It consists of two parts:

- Numerator: The top number, indicating how many parts are being considered.
- Denominator: The bottom number, indicating the total number of equal parts the whole is divided into.

Example: In the fraction $\frac{3}{4}$, 3 is the numerator, and 4 is the denominator, meaning three parts out of four equal parts.

Types of Fractions

Understanding different types of fractions helps students develop flexible thinking:

- Proper Fractions: Numerator < Denominator
- Improper Fractions: Numerator $\geq$ Denominator (e.g., $\frac{7}{4}$)
- Mixed Numbers: A whole number combined with a proper fraction (e.g., $1\frac{3}{4}$)
- Equivalent Fractions: Different fractions representing the same quantity (e.g., $\frac{1}{2} = \frac{2}{4}$)

Teaching Fractions Effectively

Effective strategies for teaching fractions include:

- Visual Models: Using pie charts, number lines, and fraction bars to depict fractions visually.
- Real-Life Contexts: Sharing examples like slicing pizzas, sharing candies, or dividing land.
- Manipulatives: Using physical objects like fraction tiles or counters for hands-on learning.
- Comparison and Simplification: Teaching students to compare fractions and reduce them to simplest form.

Mastering Fraction Operations

Grade 5 is typically when students learn to:

- Compare and order fractions
- Add and subtract fractions with like denominators
- Understand and perform addition and subtraction with unlike denominators after introducing least common denominators
- Multiply fractions by whole numbers or other fractions
- Divide fractions by whole numbers or other fractions (conceptually at first, with formal algorithms developing later)

Deciphering Decimals: The Modern Numerical System

Decimals provide a more precise way of expressing fractions, especially for measurements, money, and scientific data. They are a pivotal part of fifth-grade math, bridging the gap between fractions and percentages.

What Are Decimals?

A decimal is a number expressed in the base-10 system, with a decimal point separating the whole number part from the fractional part.

Example: 3.75 indicates three whole units and seventy-five hundredths.

Decimal Place Values

Understanding place value is crucial for interpreting decimals:

- Tenths (0.1): first digit to the right of the decimal

- Hundredths (0.01): second digit
- Thousandths (0.001): third digit
- Further places extend to ten-thousandths, hundred-thousandths, etc.

Visualizing: Using base-10 blocks or place value charts helps solidify these concepts.

Converting Fractions to Decimals

This skill is essential for mastery:

- Division Method: Divide numerator by denominator (e.g., $\frac{3}{4} = 3 \div 4 = 0.75$)
- Using Equivalent Fractions: Recognize known decimal equivalents (e.g., $\frac{1}{2} = 0.5$, $\frac{1}{4} = 0.25$)

Comparing and Rounding Decimals

Teaching students to:

- Compare decimals by lining up decimal points or converting to fractions
- Round decimals to a specific place value for estimates or simplification

Adding, Subtracting, Multiplying, and Dividing Decimals

Grade 5 students deepen their understanding of decimal operations:

- Addition & Subtraction: Align decimal points, then proceed with standard addition/subtraction.
- Multiplication: Multiply as whole numbers, then place the decimal point in the product according to the total decimal places in factors.
- Division: Often involves converting divisors to whole numbers or using decimal division algorithms.

Bridging Fractions and Decimals: Key Skills for Grade 5

The transition from fractions to decimals is a critical learning point. It provides students with a versatile understanding of rational numbers.

Why Is the Connection Important?

- Real-world applications: Money calculations, measurements, data analysis.
- Conceptual clarity: Understanding that fractions and decimals are different representations of the same quantities.

Strategies to Connect the Concepts

- Use of Number Lines: Plot fractions and their decimal equivalents.
- Conversion Practice: Reinforce how to switch between fractions and decimals.
- Problem-Solving: Contextual problems involving both forms to deepen understanding.

Common Challenges and Solutions

- Misunderstanding repeating decimals: Clarify that some decimals repeat infinitely and introduce rounding.
- Difficulty converting fractions to decimals: Emphasize division and use visual aids.
- Misalignment in comparison: Use consistent decimal places or convert to fractions for comparison.

Practical Applications and Enrichment for Grade 5 Learners

Beyond theoretical understanding, applying decimals and fractions in real-life scenarios enhances engagement and comprehension.

Real-World Examples

- Money: Calculating change, discounts, and totals.
- Measurements: Length, weight, volume in science and daily life.
- Data Analysis: Interpreting graphs, charts, and statistics.
- Cooking: Adjusting recipes using fractions and decimals.

Interactive Activities and Resources

- Games and Puzzles: Fraction and decimal bingo, matching games.
- Online Tools: Virtual manipulatives, interactive quizzes.
- Projects: Creating shopping budgets, measuring experiments, or cooking recipes.

Assessment and Mastery Checks

Regular assessments help track progress:

- Quizzes on converting between fractions and decimals
- Comparing and ordering fractions and decimals
- Solving word problems involving both concepts
- Real-life scenario tasks

Conclusion: The Path to Mathematical Fluency

Decimals and fractions are more than just school topics—they are vital tools for understanding and navigating the world. For fifth graders, mastering these concepts requires a combination of visual aids, hands-on activities, real-world contexts, and systematic practice. As educators and parents, fostering an environment where students can see the relevance of these skills will promote confidence and proficiency.

Investing in quality instructional resources, engaging activities, and continuous assessment ensures that learners don't just memorize procedures but develop a deep, conceptual understanding. With patience and the right approach, fifth graders can confidently transition from basic fraction and decimal concepts to more advanced mathematical thinking, laying a solid foundation for future success.

Empowered with these insights and strategies, educators and learners alike can approach decimals and fractions not just as academic requirements, but as practical, valuable skills for everyday life and beyond.

Question How do you convert a decimal to a fraction? To convert a decimal to a fraction, write the decimal over its place value (e.g., 0.75 becomes $\frac{75}{100}$), then simplify the fraction if possible. **Answer** What is the difference between a decimal and a fraction? A fraction represents a part of a whole as a numerator over a denominator, while a decimal uses a point to show parts of a whole in base ten notation. How do you add and subtract decimals? Align the decimal points vertically, then add or subtract as you would with whole numbers, ensuring the decimal points stay aligned. How can I compare two decimals? Line up the decimal points and compare digit by digit from left to right, starting with the highest place value to determine which decimal is greater or smaller. What are some real-life examples of using decimals and fractions? Examples include measuring ingredients in cooking, calculating discounts during shopping, or reading a speed limit in miles or kilometers. Why is it important to learn about decimals and fractions in grade 5? Understanding decimals and fractions helps students develop essential math skills for everyday life, including budgeting, measurements, and future math topics. What strategies can help me master decimal and fraction conversions? Practice converting between decimals and fractions regularly, use visual models like pie charts, and solve real-world problems to build confidence and understanding.

Related keywords: decimals, fractions, grade 5, decimal place value, converting decimals to fractions, simplifying fractions, decimal addition, decimal subtraction, equivalent fractions, mixed numbers

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