


Decimal To Fraction Conversion Worksheet

Name:		Date:	
Decimal Fractions / Convert			
1. Write each fraction in decimal form.			
$2\frac{2}{10} = 2.2$	$3\frac{45}{100} = 3.45$	$1\frac{985}{1000} =$	$2\frac{87}{1000} =$
$4\frac{4}{10} =$	$8\frac{47}{100} =$	$4\frac{249}{1000} =$	$8\frac{56}{1000} =$
$3\frac{6}{10} =$	$5\frac{59}{100} =$	$6\frac{107}{1000} =$	$7\frac{81}{1000} =$
$7\frac{8}{100} =$	$4\frac{13}{100} =$	$8\frac{505}{1000} =$	$4\frac{1}{1000} =$
$1\frac{3}{100} =$	$2\frac{99}{100} =$	$5\frac{384}{1000} =$	$3\frac{66}{1000} =$
$2\frac{5}{100} =$	$1\frac{65}{100} =$	$9\frac{911}{1000} =$	$2\frac{8}{100} =$
$9\frac{7}{100} =$	$6\frac{77}{100} =$	$3\frac{136}{1000} =$	$7\frac{31}{1000} =$
$6\frac{9}{100} =$	$7\frac{27}{100} =$	$1\frac{206}{1000} =$	$8\frac{1}{100} =$
$12\frac{45}{100} =$	$34\frac{7}{100} =$	$10\frac{201}{1000} =$	$72\frac{1}{1000} =$
$97\frac{19}{100} =$	$65\frac{2}{100} =$	$34\frac{404}{1000} =$	$18\frac{9}{100} =$
www.freemathworksheets.us			

Decimal to fraction conversion worksheet is an invaluable educational tool designed to help students grasp the concept of converting decimal numbers into fractions. This skill is fundamental in mathematics, as it allows learners to work with numbers in various forms and enhances their understanding of relationships between different numerical representations. In this article, we will explore the importance of decimal to fraction conversion, provide a step-by-step guide on how to perform these conversions, offer practical examples, and suggest some engaging activities to reinforce learning.

Understanding Decimals and Fractions

To effectively convert decimals to fractions, it's essential to understand what decimals and fractions represent.

What is a Decimal?

A decimal is a number that represents a fraction whose denominator is a power of ten. For example, the decimal 0.75 can be expressed as $\frac{75}{100}$, where 100 is 10 squared. Decimals are often used in measurements, currency, and various scientific applications due to their ease of use in calculations.

What is a Fraction?

A fraction consists of two parts: the numerator (the top number) and the denominator (the bottom number). It represents a part of a whole. For example, in the fraction $\frac{3}{4}$, 3 is the numerator, indicating how many parts we have, while 4 is the denominator, indicating how many equal parts make up the whole.

Why Convert Decimals to Fractions?

There are several reasons why converting decimals to fractions is a useful skill:

1. **Understanding Relationships:** Converting decimals to fractions helps students visualize and understand the relationships between different numbers.
2. **Simplification:** Fractions can sometimes provide a simpler form for certain mathematical problems, especially in algebra.
3. **Application in Real Life:** Many real-world applications, such as cooking, finance, and measurement, require an understanding of both decimals and fractions.
4. **Standardized Testing:** Many standardized tests require students to be proficient in both forms of numbers.

Steps for Converting Decimals to Fractions

Converting decimals to fractions can be accomplished through a straightforward process. Here's a step-by-step guide to help students understand how to make these conversions.

Step 1: Identify the Decimal

Start by writing down the decimal that you want to convert. For example, let's take the decimal 0.6.

Step 2: Determine the Place Value

Next, determine the place value of the last digit in the decimal. The place value tells you what power of ten the decimal is based on. In the case of 0.6, the last digit (6) is in the tenths place.

Step 3: Write the Decimal as a Fraction

Use the place value to write the decimal as a fraction. The decimal 0.6 can be expressed as:

- Numerator: 6 (the digit itself)
- Denominator: 10 (since it's in the tenths place)

Thus, $0.6 = 6/10$.

Step 4: Simplify the Fraction

If possible, simplify the fraction. To simplify $6/10$, divide both the numerator and the denominator by their greatest common divisor (GCD). The GCD of 6 and 10 is 2:

- $6 \div 2 = 3$
- $10 \div 2 = 5$

So, $6/10$ simplifies to $3/5$. Therefore, $0.6 = 3/5$.

Step 5: Verify the Conversion

To ensure accuracy, convert the fraction back to a decimal. Dividing 3 by 5 yields 0.6, confirming that the conversion was correct.

Examples of Decimal to Fraction Conversion

Let's look at some common examples to solidify the understanding of decimal to fraction conversion.

Example 1: Converting 0.25 to a Fraction

1. Identify the decimal: 0.25
2. Determine the place value: The last digit (5) is in the hundredths place.
3. Write the decimal as a fraction: $0.25 = 25/100$.
4. Simplify: 25 and 100 can both be divided by 25. Thus, $25/100$ simplifies to $1/4$.

Example 2: Converting 0.125 to a Fraction

1. Identify the decimal: 0.125
2. Determine the place value: The last digit (5) is in the thousandths place.
3. Write the decimal as a fraction: $0.125 = 125/1000$.
4. Simplify: The GCD of 125 and 1000 is 125. Therefore, $125/1000$ simplifies to $1/8$.

Example 3: Converting 1.75 to a Fraction

1. Identify the decimal: 1.75.
2. Separate the whole number from the decimal: 1 and 0.75.
3. Convert the decimal: $0.75 = 75/100$, which simplifies to $3/4$.
4. Combine the whole number and the fraction: $1.75 = 1 \frac{3}{4}$.

Activities for Practicing Decimal to Fraction Conversion

To reinforce the skills of converting decimals to fractions, engaging activities can be quite helpful.

Activity 1: Decimal to Fraction Bingo

- Create bingo cards with fractions on them.
- Call out decimal numbers, and students must convert them to fractions and mark them on their cards.

Activity 2: Conversion Relay Race

- Divide the class into teams.
- Provide each team with a set of decimal numbers on cards.
- Have them race to convert each decimal to a fraction correctly. The first team to finish wins!

Activity 3: Worksheets and Homework

- Distribute worksheets that contain decimal numbers for students to convert to fractions. Include a mix of simple and complex decimals to challenge their understanding.
- Encourage students to check their answers with a partner to foster collaboration and discussion.

Conclusion

Mastering the skill of converting decimals to fractions is essential for students as they progress in their mathematical education. With practice and the use of resources like the decimal to fraction conversion worksheet, learners can gain confidence in their ability to manipulate numbers in different formats. Through understanding the mechanics of conversion, engaging in practical activities, and utilizing step-by-step guides, students can develop a robust mathematical foundation that will serve them well in both academic and real-world situations.

Encouragement and practice will ensure that students not only grasp the concept but also enjoy the process of learning about decimals and fractions. Whether they are preparing for standardized tests, tackling real-life problems, or simply enhancing their math skills, the ability to convert decimals to fractions is a crucial and beneficial skill to possess.

Frequently Asked Questions

What is a decimal to fraction conversion worksheet?

A decimal to fraction conversion worksheet is an educational resource that provides exercises for converting decimal numbers into their equivalent fractions.

What skills can students develop using a decimal to fraction conversion worksheet?

Students can develop their understanding of number relationships, improve their fraction skills, and

enhance their ability to perform mathematical conversions.

Are decimal to fraction conversion worksheets suitable for all grade levels?

Yes, they can be tailored for various grade levels, from elementary to middle school, depending on the complexity of the decimals involved.

What types of decimals are typically included in these worksheets?

Worksheets may include terminating decimals, repeating decimals, and mixed numbers for conversion practice.

How can teachers effectively use a decimal to fraction conversion worksheet in the classroom?

Teachers can use these worksheets for individual practice, group activities, or as homework assignments to reinforce decimal and fraction concepts.

What is the first step in converting a decimal to a fraction?

The first step is to identify the place value of the last digit in the decimal, which will determine the denominator of the fraction.

Can decimal to fraction conversion worksheets be found online?

Yes, many educational websites offer free downloadable decimal to fraction conversion worksheets for teachers and students.

What additional resources can complement a decimal to fraction conversion worksheet?

Complementary resources include instructional videos, interactive math games, and practical examples that illustrate the conversion process.

How can parents assist their children with decimal to fraction conversion worksheets at home?

Parents can help by reviewing the conversion steps, practicing additional examples, and providing real-life contexts where decimals and fractions are used together.

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New Telemedicine Guidelines for OWCP-FECA - U.S. Department of Labor

OWCP has allowed for the provision of telehealth services without interruption and will continue to do so. However, due to the increased use of telehealth, and to ensure consistency and appropriate billing for such services, the Federal Employees' Program issued a new policy on 10/22/2020 applicable to injured workers receiving medical care via telemedicine for an ...

TELEHEALTH BILLING GUIDANCE | OFFICE OF WORKERS' ...

Dec 16, 2022 · Office of Workers' Compensation Programs An agency within the U.S. Department of Labor 200 Constitution Ave NW Washington, DC 20210

[Provider FAQs | OFFICE OF WORKERS' COMPENSATION PROGRAMS - DOL](#)

Do I need to submit an authorization request for telehealth services? Authorization requirements for DFEC telehealth bills are dependent on Provider Type and the Procedure Codes.

Home | U.S. Department of Labor

Learn how our self-audit programs can help employers, unions, and benefits plans managers proactively improve compliance.

[U.S. Department of Labor Issues Guidance Supporting Workplace ...](#)

The mission of the Department of Labor is to foster, promote, and develop the welfare of the wage earners, job seekers, and retirees of the United States; improve working conditions; advance opportunities for profitable employment; and assure work-related benefits and rights.

Microsoft Word - 19-23-002-04-001 PRAC Telehealth ...

As part of the Pandemic Response Accountability Committee's (PRAC)¹ effort to provide policymakers and stakeholders with information about the nature of telehealth and its use across federal health care programs, the Office of Inspector General (OIG) conducted an evaluation to: (1) examine the use of telehealth across the Department of Labor's (DOL) workers' ...

[Provider - DFEC telehealth authorization | OFFICE OF WORKERS](#)

Authorization requirements for DFEC telehealth bills are dependent on Provider Type and the Procedure Codes. If authorization is required, your bills must be submitted with the necessary modifiers. Please utilize the WCMBP Provider Portal for eligibility and authorization requirements.

Telehealth policy - HHS.gov

Federal legislation continues to expand and extend telehealth services.

Telehealth Billing Guidance for Providers - U.S. Department of Labor

Federal Employees Nuclear Weapons Workers Coal Mine Workers Longshore and DBA Medical Providers Office of Workers' Compensation Programs An agency within the U.S. Department of Labor 200 Constitution Ave NW Washington, DC 20210 1-866-4-USA-DOL 1-866-487-2365 [www.dol.gov](#) Federal Government White House Disaster Recovery Assistance ...

Information for Medical Providers - U.S. Department of Labor

Federal Employees' Compensation Program This page serves as a resource for medical providers of Federal workers with work-related injuries or illnesses. Medical providers must be enrolled with OWCP to receive reimbursement for treatment of injured federal employees. Subscribe to Email Updates The Federal Employees' Compensation Program periodically provides medical ...

Basic Information on New Claims - U.S. Department of Labor

Medical Bills All paper bills should be submitted to the designated U.S. Department of Labor, DFEC mailing address. Bills from medical providers other than hospitals should be submitted on a Form HCFA-1500 (also known as OWCP-1500). This is a standard medical billing form that is readily available to all medical providers.

New Telemedicine Guidelines for OWCP-FECA - DOL

Nov 9, 2020 · OWCP has allowed for the provision of telehealth services without interruption and will continue to do so. However, due to the increased use of telehealth, and to ensure consistency and appropriate billing for such services, the Federal Employees' Program issued a new policy on 10/22/2020 applicable to injured workers receiving medical care via telemedicine for an ...

UNITED STATES DEPARTMENT OF LABOR

Dec 29, 2020 · This Field Assistance Bulletin ("FAB") provides guidance to Wage and Hour Division (WHD) field staff regarding the use of telemedicine in establishing a serious health condition under the Family and Medical Leave Act (FMLA).

New! - OWCP Provider Manual - U.S. Department of Labor

We are excited to announce a "NEW" Provider Manual located on the Workers' Compensation Medical Bill Processing (WCMBP) portal. Based on the feedback that we have received from the provider community, we developed a manual that offers important information on billing, authorizations, enrollment, policies, and eLearnings. This new Provider Manual will serve as an ...

EEOICPA BULLETIN NO. 20-03 Telemedicine for Home and ...

Apr 7, 2020 · EEOICPA BULLETIN NO. 20-03 Telemedicine for Home and Residential Health Care (HRHC) and Durable Medical Equipment (DME)

U.S. Department of Labor Office of Workers' Compensation ...

The Division of Energy Employees Occupational Illness Compensation (DEEOIC) recognizes the value of the use of telemedicine in lieu of non-emergency, in-person routine medical appointments between physicians and beneficiaries. Telemedicine services (including phone, video conferencing or similar technologies) help facilitate engagement with a physician for those ...

U.S. Department Of Labor Issues Guidance to Clarify Employers ...

Aug 24, 2020 · Download WHD's timesheet app. The mission of the Department of Labor is to foster, promote, and develop the welfare of the wage earners, job seekers, and retirees of the United States; improve working conditions; advance opportunities for profitable employment; and assure work-related benefits and rights.

Contact Us - U.S. Department of Labor

The Department of Labor National Contact Center (DOL-NCC) provides general information and

referrals about the laws we enforce, the services we provide, and details about how to file a complaint.

FMLA: Forms - U.S. Department of Labor

The Department has developed optional-use forms which can be used by employers to provide required notices to employees, and by employees to provide certification of their need for leave for an FMLA qualifying reason. These forms are electronically fillable PDFs and can be saved electronically. Alternatively, employers may use their own forms, if they provide the same basic ...

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Chilango - Parque Tepeyac: Cómo llegar a la plaza con el acuario ...

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Tiendas, cines y cómo llegar a Parque Tepeyac - Excélsior

Nov 7, 2022 · Parque Tepeyac abre este 8 de noviembre. Conoce cuáles tiendas y cines habrá desde el día de la inauguración de este centro comercial en la Gustavo A. Madero.

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Parque Tepeyac: Descubre las Tiendas y Servicios que Ofrece

Dec 20, 2024 · En este artículo, te ofrecemos una guía detallada de las tiendas y servicios que encontrarás en Parque Tepeyac para que disfrutes al máximo tu visita. Ubicación y Cómo Llegar

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