
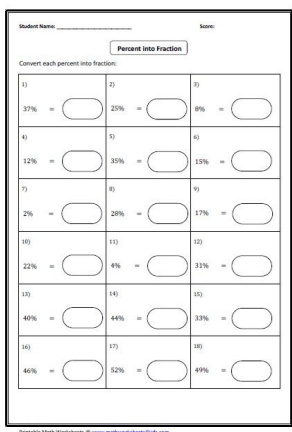


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# Converting decimals to percents to fractions worksheets



## Convert Percents into Fractions

Name: \_\_\_\_\_ Score: \_\_\_\_\_

Convert the following percents into fractions (lowest terms).

- 90% = \_\_\_\_\_ 80% = \_\_\_\_\_
- 20% = \_\_\_\_\_ 40% = \_\_\_\_\_ 4% = \_\_\_\_\_
- 50% = \_\_\_\_\_ 65% = \_\_\_\_\_ 24% = \_\_\_\_\_
- 10% = \_\_\_\_\_ 95% = \_\_\_\_\_ 55% = \_\_\_\_\_
- 44% = \_\_\_\_\_ 38% = \_\_\_\_\_ 60% = \_\_\_\_\_
- 70% = \_\_\_\_\_ 15% = \_\_\_\_\_ 85% = \_\_\_\_\_
- 30% = \_\_\_\_\_ 67% = \_\_\_\_\_ 25% = \_\_\_\_\_

**Equivalent Fractions, Decimals & Percents** Name: \_\_\_\_\_

Fill in the missing equivalent number for the following problems.

Ex) 4% percent	1) 0.72 decimal	2) $\frac{39}{100}$ fraction
$\frac{7}{100}$ fraction	72% percent	0.35 decimal
$\frac{103}{100}$ fraction	_____ fraction	_____ percent

3) 26% percent    4) 0.64 decimal    5)  $\frac{7}{100}$  fraction

$\frac{29}{100}$  fraction    64% percent    0.05 decimal

\_\_\_\_\_ decimal    \_\_\_\_\_ fraction    \_\_\_\_\_ percent

6) 2% percent    7) 0.81 decimal    8)  $\frac{67}{100}$  fraction

$\frac{7}{100}$  fraction    81% percent    0.61 decimal

\_\_\_\_\_ decimal    \_\_\_\_\_ fraction    \_\_\_\_\_ percent

9) 44% percent    10) 0.27 decimal    11)  $\frac{7}{100}$  fraction

$\frac{44}{100}$  fraction    27% percent    0.03 decimal

\_\_\_\_\_ decimal    \_\_\_\_\_ fraction    \_\_\_\_\_ percent

12) 32% percent    13) 0.53 decimal    14)  $\frac{59}{100}$  fraction

$\frac{32}{100}$  fraction    53% percent    0.59 decimal

\_\_\_\_\_ decimal    \_\_\_\_\_ fraction    \_\_\_\_\_ percent

15) 40% percent    16) 0.19 decimal    17)  $\frac{7}{100}$  fraction

$\frac{40}{100}$  fraction    19% percent    0.01 decimal

\_\_\_\_\_ decimal    \_\_\_\_\_ fraction    \_\_\_\_\_ percent

18) 16% percent    19) 0.90 decimal    20)  $\frac{98}{100}$  fraction

$\frac{16}{100}$  fraction    90% percent    0.98 decimal

\_\_\_\_\_ decimal    \_\_\_\_\_ fraction    \_\_\_\_\_ percent

**Answers**

Ex) 0.04

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_

11. \_\_\_\_\_

12. \_\_\_\_\_

13. \_\_\_\_\_

14. \_\_\_\_\_

15. \_\_\_\_\_

16. \_\_\_\_\_

17. \_\_\_\_\_

18. \_\_\_\_\_

19. \_\_\_\_\_

20. \_\_\_\_\_

**Convert mixed numbers to improper fractions**

Grade 5 Fractions Worksheet

Convert:

1)  $7\frac{3}{4}$  = \_\_\_\_\_    2)  $6\frac{1}{5}$  = \_\_\_\_\_    3)  $9\frac{2}{10}$  = \_\_\_\_\_

4)  $2\frac{1}{2}$  = \_\_\_\_\_    5)  $6\frac{1}{3}$  = \_\_\_\_\_    6)  $5\frac{2}{3}$  = \_\_\_\_\_

7)  $3\frac{1}{8}$  = \_\_\_\_\_    8)  $3\frac{3}{12}$  = \_\_\_\_\_    9)  $6\frac{1}{11}$  = \_\_\_\_\_

10)  $4\frac{1}{2}$  = \_\_\_\_\_    11)  $8\frac{2}{3}$  = \_\_\_\_\_    12)  $9\frac{1}{8}$  = \_\_\_\_\_

13)  $5\frac{8}{11}$  = \_\_\_\_\_    14)  $3\frac{5}{8}$  = \_\_\_\_\_    15)  $5\frac{10}{11}$  = \_\_\_\_\_

16)  $6\frac{2}{5}$  = \_\_\_\_\_    17)  $9\frac{1}{2}$  = \_\_\_\_\_    18)  $7\frac{7}{10}$  = \_\_\_\_\_

19)  $5\frac{1}{6}$  = \_\_\_\_\_    20)  $8\frac{8}{10}$  = \_\_\_\_\_    21)  $8\frac{1}{2}$  = \_\_\_\_\_

**Fraction-Decimal-Percent Applications**

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

- A survey was conducted to see what mode of travel people preferred. The results of the survey are shown in the following table. What percent of the people prefer to travel by train?
 

Type of Travel	# of responses
Automobile	35
Airplane	50
Train	40
Bus	25
- A bakery asked its customers to name their favorite bread. Whole-wheat crunch was the favorite of  $\frac{3}{5}$  of the customers. What percent of the customers said whole-wheat crunch was their favorite bread? \_\_\_\_\_
- At Appleton Middle School, 48% of the students ride a bus to school. What fraction of the students rides a bus to school? (Simplify your fraction) \_\_\_\_\_
- At summer camp, 85% of the campers signed up for hiking. What decimal represents the percent of campers who signed up for hiking? \_\_\_\_\_
- In a store,  $\frac{11}{20}$  of the shelf space in one aisle is used to display bottled waters. What percent of the shelf space does this represent? \_\_\_\_\_
- What percent of the figure below is shaded?

Converting decimals to fractions to percents worksheets pdf.

For example, to convert three-quarters to a decimal, you would divide three by four at 0.75. Another method of converting a fraction to a decimal is to multiply the denominator by a number that will correspond to a multiple of 10. Here is a wide range of printable fraction worksheets that will help your child understand and practice converting between fractions, decimals, and percentages. To convert three and two-thirds, convert the two-thirds fraction to a decimal by dividing two by three by equal to .6667. Printable worksheets on this page include practical skills in converting fraction, decimal, and percentage. Your answer will have an integer as part of the decimal though. This percentage worksheet will produce 30 or 36 problems per page depending on the selection made. Using a calculator is the easiest way to perform this division. Page 2 Welcome to the 2-digit Multiplication Worksheets page. Here you will find a number of free printable multiplication games to help children learn their multiplication facts. Page Worksheet Fraction Comparison Examine our Fraction Simplification exercise area or try our worksheets to find the simplest form for a fraction range. You can choose between correct fractions, improper fractions, or both. Follow these 3 easy steps to get your worksheets printed perfectly! Math Salamanders hope you enjoy using these free printable Math worksheets and all of our other Math games and resources. Click the Calculate button to get to the decimal equivalent. Converting mixed numbers A mixed number is an integer and a fraction. The worksheets on this page have been divided into two sections: 2-digit multiplication x digits (3rd media) 2-digit multiplication x 2-digit multiplication (4th media) Each section concludes with some more challenging sheets for the most capable students. Using these games will help the child to learn their multiplication facts at 5x5 or 10x10, and develop memory and strategic thinking skills. For example, to convert the improper fraction eight-fifths, divide eight by five equal to 1.6. More interrogated. NET In these worksheets, students convert percentages into fractions. Many websites have this calculator tool, which consists of simply entering the numerator and denominator in the blank fields. You can print your results or compare your scores with future results. The integer represents whole units, and the fraction represents a part of an integer. Knowing how these numbers relate will help you convert between the two if needed. So add the three to the decimal point to get 3.6667. Incorrect fractions are fractions with numerators higher than the denominators. If all else fails, you can use a converter tool to do the calculations for you. Overview of mathematical fractions Fractions are numbers less than one, giving a name to a part of an integer. To convert an improper fraction to a decimal, divide the numerator by the denominator in the same process you use to convert a common fraction. At some point, you will probably be faced with the prospect of working with numbers in both fractional and decimal format. How to print or save these sheets Need help printing or saving them? Riddles Fraction for kids (easier) Free printable Riddles Fraction (easier) Looking for free fractional help or fractional support? The third section deals with the conversion of percents into fractions and decimals. Using these sheets will help your child to: learn their multiplication tables up to 10 x 10; understand and use different multiplication models; solve a number of multiplication problems. Now is your chance to practice your fractions And percent problem solving skills with some fun puzzles! Take a look at some of our worksheets similar to these. Sheets from 2 to 4 4 2-digit numbers harder to multiply and answers that are generally larger than 1000. This page is widely classified into four main sections, with three sections on converting to different forms and one section is based on multiple choice questions. Sheet 1 involves multiplying 2 digits by 2 digits with smaller numbers and answers up to 1000. All fraction riddles consists of 3 or 4 clues and a selection of 6 or 8 possible answers. A In the last worksheet, students convert the percentage to a decimal and a fraction. A In the second worksheet, they are also asked to simplify the resulting fraction. How to print or save these sheets Need help printing or saving? This percentage worksheet is ideal for converting between percentages, decimals, and fractions. We have a lot of worksheets on this page to help you practice the skills of multiplying 2 digit numbers by 1 or 2 digits. But you can do math without a calculator with long divisions. The answer is the decimal equivalent of the fraction. The second section concerns the conversion of decimal places into percentages and fractions. Simplify fractions Exercise Zone Simplify fractions Page Worksheets Riddles are a great way to get children to apply their knowledge of fractions. The first section consists of converting fractions into decimal places and percentages. This translates into the fraction 25/100, which is equivalent to .25. Using a Fraction Converter Calculator Save time and effort by using a fraction converter calculator. These sheets are intended for middle school children. These 2-digit multiplication worksheets have been designed for the most capable students who need that extra challenge! These sheets are addressed to children of the 4th grade. You need Create your own long or short multiplication worksheets quickly and easily? Here you will find information about a range of topics related to fractions, from the simplest form to the conversion of fractions. Other double digit multiplication worksheets Take a look at some of our worksheets similar to these. Converting a mixed number is almost equal to converting a fraction, except you add the integer after you finish converting the fraction. The printable fraction page below contains support, examples, and practice using equivalent fractions. Thumb through some of these worksheets for free! Welcome to our Decimal Percentages Worksheets Page fractions. The last section involves the conversion of all three. Great to use with a group of children and individually. For example, if you want to convert 1/4 quarter, multiply four times 25 times equal 100. All the free 3rd degree mathematical worksheets in this section are informed by the elementary mathematical benchmarks for 3rd degree. For example, if the fraction is four / fifths, the four names four equal parts and the fifths indicate that the whole is divided into five equal parts. To convert a fraction to a decimal, divide the numerator by the Denominator. Whatever number you use to multiply by the denominator will also be multiplied by the numerator. Looking to convert fractions into percentages or decimal places; decimal places to fractions or percentages; Percentages by fractions or decimals? These puzzles are a good way to start a math lesson, or even use it as a way to control your child's understanding of fractions. There are fraction videos, processed examples and practice fraction worksheets. Find Equivalent Support Fractions Page Page Equivalent Fractions Worksheets We have some worksheets carefully with comparison and sort fractions. You can choose from supported sheets with diagrams for students who need additional help with the toughest worksheets for the safest ones. We divided our fractions, percentage of worksheets in different sections to make it easier for you to choose the skill you want to practice. Sheets 3 to 6 involve multiplying a 2-digit number by single numbers numbers and discoveries Complicated products We welcome any comments on our website or worksheets on the Facebook Comments box at the bottom of each page. Sheets 1 and 2 imply multiplying 2-digit numbers of 2, 3, 4 or 5. Voucher to practice equivalent fractions and convert to simpler form. Children must read clues and work out the correct answer. The upper number of a fraction is called the numerator and this number appoints the part of the complex. The use of these sheets will help your child to: convert between the decimal and percentage fractions. Within each section, the sheets are carefully classified with the simpler sheets. The sheets are carefully classified so that the supported and easier sheets are first come before, and the most difficult sheet is the last one. Follow these 3 simple steps to perfectly print your worksheets! How to print or save these sheets Need help with printing or saving? These sheets are aimed at 5, 6 A and 7 A Elementary. Then, multiply one by 25 to 10 to 25. These 2-digit multiplication worksheets have been designed for more capable students who need an extra challenge! We have more than 2-digit multiplication worksheets, including 2-digit 3-digit multiplication problems on this page. Sheets 1 to 4 consists of 15 problems; Sheets 5 and 6 consist of 20 problems. Fraction equivalent to the decimal percentage 1/2 2/2 1/3 2/3 3/3 1/4 2/4 3/4 4/4 1/5 2/5 3/5 4/5 1/6 2/6 3/6 4/6 5/6 6/6 1/8 2/8 3/8 4/8 5/8 6/8 7/8 8/8 1/10 2/10 3/10 4/10 5/10 6/10 7/10 8/10 9/10 10/10 1/2 1 1/3 2/3 1 1/4 1/2 3/4 1 1/5 2/5 3/5 4/5 5/5 1/6 1/3 5/10 1/2 2/3 3/6 1/8 1/4 3/8 1/2 5/8 3/4 7/8 1 1/10 1/5 3/10 2/5 1/2 3/5 7/10 4/5 9/10 1 0.5 1.0 0.333 0.667 1.0 0.25 0.5 0.75 1.0 0.2 0.4 0.3 0.8 1.0 0.167 0.833 0.5 0.166 0.833 1.0 0.125 0.25 0.375 0.5 0.625 0.875 1.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 0.7 0.8 0.3 1.0 50% 100% 33.3% 66.7% 100% 25% 50% 75% 100% 20% 40% 60% 80% 100% 16.7% 33.3% 50% 66.7% 83.3% 100% 12.5% 25% 37.5% 50% 62.5% 75% 87.5% 87.5% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100% Where a digit is underlined, it means the number has been rounded to 3 decimal places, or to the nearest 0.1%. The bottom number of a fraction is called the denominator, and this number indicates the total number of parts that make up the whole. The riddles can also be used as a template for the children to write their own clues for a partner to guess. Our Multiplication worksheet generator will allow you to create your own custom worksheets to print out, complete with answers. You may select six different types of percentage conversion problems with three different types of numbers to convert. Then look no further - we have what you need! Below are some common conversions for fractions into decimals and percents. Here you will find a range of Multiplication Worksheets to help you become more fluent and accurate with your tables. tables.

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