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7/125 to fraction

7/125 is already in its simplest form. It can be written as 0.056 in decimal form (rounded to 6 decimal places). Steps to simplify fractions Find GCD (or HCF) numerators and denominators GCD from 7 and 125 are 1 Divide both numerators and denominators by GCD $7 \div 1/125 \div 1$ Induced flatness: 7/125 Therefore, 7/125 Simplified to lowest term is 7/125. MathStep (Working offline) Download our mobile app and learn to work with fractions in your own time: Android and iPhone / Fractional equivalent iPad: 14/250 21/375 35/625 49/875 Other fractions: 14/125 7/250 21/125 7/375 8/125 7/1266/125 7/124 getcalc.com to the decimal calculator to find what decimals are equivalent to the fractional number 7/125. 0.056 is decimal and 5.6/100 or 5.6% is the percentage for 7/125. FractionDecimalPercentage 10/1250.088% 19/ 1250.0727.2% 8/1250.0646.4% 7/1250.0565.6% 6/1250.00 484.8% 7/1220.057385.738% 7/1230.056915.691% 7/1240.056455.645% 7/1260.055565.556% The exercise below with step-by-step calculation shows you how to manually find the equivalent decimal for fractional numbers 7/125. step 1 Resolve $\frac{7}{125}$; input value. $\frac{7}{125}$; Parameters input value: Fractional number = 7/125 step 2 Write as decimal $7/125 = 0.056$ 0.056 is the decimal representation for 7/125 For Percentage Conversion : step 1 To represent 0.056 in percentage, write 0.056 as Fractional fraction = 0.056/1 step 2 times 100 to both $\frac{0.056 \times 100}{1 \times 100} = 5.6/100$ 5.6% is a percentage representation for 7/125 This calculator converts decimal numbers to fractions or decimal numbers to mixed numbers. For repeating decimals enter how many decimal places are in the repetition of your decimal number. Entering Repeating Decimals For repeating decimals such as 0.66666... where 6 repeats forever, enter 0.6 and since 6 is the only repeating trailing decimal place, enter 1 for decimal places to repeat. The answer is 2/3 For repeating decimals like 0.363636... where 36 is repeated forever, enter 0.36 and since 36 is the only two repeating trailing decimal places, enter 2 for decimal places to repeat. The answer is 4/11 For repeating decimals like 1.8333... where 3 is repeated forever, enter 1.83 and since 3 is the only repeating trailing decimal place, enter 1 for decimal places to repeat. The answer is 1 5/6 For repeat decimals 0.857142857142857142..... where 857142 repeats forever, enter 0.857142 and since 857142 is 6 repeating trailing decimal places, enter 6 for decimal places to repeat. The answer is 6/7 How to Convert Negative Decimals to Fractions Remove negative marks from decimal digits Convert to positive values Apply negative to fractional answer If a = b then it is true that -a = -b. How to Convert Decimals to Fractions Step 1: Create fractions with decimal numbers as numerators (top and 1 as denominator (bottom number). Step 2: Delete the decimal places based on multiplication. First, count how many places are to the right of the decimal. Next, given that you have x decimal places, triple the numerator and denominator by 10x. Step 3: Reduce fractions. Discover the Greatest Common Factor (GCF) of numerators and denominators and for numerators and denominators by GCF. Step 4: Simplify the remaining fractions to mixed number fractions if possible. Example: Convert 2625 to fraction 1. Rewrite decimal digits as fractions (more than 1) $(\frac{2.625}{1})$ 2. Triple the numerator and denominator by 103 = 1000 to omit 3 decimal places $(\frac{2625}{1000})$ 3. Find the Largest Common Factor (GCF) 2625 and 1000 and subtract fractions, dividing the numerator and denominator by GCF = 125 $(\frac{2625}{1000} \div 125 = \frac{21}{8})$ 4. Simplify incorrect fractions Therefore, $(\frac{2.625}{1} = 2 \frac{5}{8})$ Decimal to Fraction For other examples, convert 0.625 to fractions. Triple 0.625/1 by 1000/1000 to get 625/1000. Reduce us to get 5/8. Convert Repeating Decimals to Fractions Create an equation like x equals a decimal number. Count the number of decimal places, y. Create a second equation multiplying both sides of the first equation by 10y. Subtract the second equation from the first. Solve for x Reduce fractions. Example: Convert repeating decimal 2.666 to fraction 1. Create an equation in such a way that x equals the decimal number Equation 1: $(x = 2.\overline{666})$ 2. Count the number of decimal places, y. There are 3 digits in the repeating decimal group, so y = 3. Duplicate the second equation by multiplying both sides of the first equation by 103 = 1000 Equation 2: $(1000x = 2666.\overline{666})$ 3. Subtract equations (1) from equations (2) $(\text{align} 1000x \text{ and } 2666.\overline{666} \text{ under } x \text{ and } 2.666\overline{666})$ We get 4. Solve for x $(x = \frac{2664}{999})$ 5. Reduce fractions. Find the Largest Common Factor (GCF) 2664 and 999 and reduce fractions, dividing the numerator and denominator by GCF = 333 $(\frac{2664}{999} \div 333 = \frac{8}{3})$ Simplify incorrect fractions Therefore, $(\frac{2.\overline{666}}{1} = 2 \frac{2}{3})$ Repeating Decimals to Fractions For another example, convert 0.333 repeating decimals to fractions. Create the first equation with x equal to a repeating decimal number: $x = 0.333$ There are 3 repeating decimals. Create a second equation by multiplying both sides (1) by 103 = 1000: 1000X = 333.333 (2) Subtracting the equation (1) from (2) to get 999x = 333 and finish for x = 333/999 Reduce fractions we get x = 1/3 Answer: $x = 0.333 = 1/3$ Related To convert fractions to decimal see Fractions to Decimal Calculator. Decimal. Wikipedia contributor. Repeating Decimals, Wikipedia, the Free Encyclopedia. Last visited July 18, 2016. Below you can find a full step by step solution to your problem. We hope it will be very helpful for you and it will help you to understand the settlement process. If it's not what you're looking for, type it into the box below your number and see the solution. To write 7/125 as a decimal you must divide the numerator by the fractional denominator. We divide now 7 by 125 what we wrote as 7/125 and we get 0.056 And finally we have: 7/125 as decimal equals 0.056 You can always share this solution See similar equations: | 16.489 as fractions | | 8.88 as percent | 96.816 as fractions | | 61/121 as a decimal | 64.66 as fraction | | 98/77 as a decimal | 48/168 as a decimal | 52.737 as fractions | | 88/61 as a decimal | 22.853 as fractions | | 87.316 as fractions | | 49/131 as a decimal | 62.339 as fractions | | 98.523 as fractions | | 9.58 as percent | 43.942 as fractions | | 54.586 as fractions | | 14.553 as fractions | | 90/52 as a decimal | 96.330 as fractions | | 20.562 as fractions | | 36/147 as a decimal | 86.756 as fractions | | 4643 as fractions | | 53/34 as a decimal | 44.509 as fractions | | 62/70 as a decimal | 78.713 as fractions | | 9793 as fractions | | 18/154 as a decimal | 74.509 as fractions | | 46/60 as a decimal | The calculator performs basic and advanced operations with fractions, expressions with fractions combined with integers, decimals, and mixed numbers. It also shows detailed step-by-step information about fraction counting procedures. Solve problems with two, three, or more fractions and numbers in one expression. The result of spelling in a word is one-eighth. How do you solve fractions step by step? Convert decimal places to fractions: 0.125 = 125/1000 = 1/8 a) Write decimals 0.125 divided by 1: 0.125 = 0.125/1 b) Subst time both up and down by 10 for each number after the decimal point. (For example, if there are two numbers after the decimal point, then use 100, if there are three then use 1000, etc.) 0.125/1 = 1.25/10 = 12.5/100 = 125/1000 Note: 125/1000 is called decimal fraction. c) Simplify and subtract fractions 125/1000 = 1 * 125/8 * 125 = 1 * 125/8 * 125 = 1/8 Fractions - use a slash / between the numerator and the denominator, that is, for five hundred, enter 5/100. If you use mixed numbers, be sure to leave one space between the entire section and the fraction. A slash separating the numerator (the number above the fractional line) and the denominator (the number below). A mixed number (a mixed fraction or a mixed number) writes as an integer instead of a zero separated by spaces and fractions i.e., 1 2/3 (have the same mark). Example of a negative mixed fraction: -5 1/2. Since slashes are marks for fractional lines and divisions, we recommend recommending two-point (·) as the operator of the division fraction, namely, 1/2 : 3. Decimal (decimal number) enter with a decimal point. and they are automatically converted to fractions - i.e. 1.45. Colon : and slash / is a symbol of division. Can be used to divide the mixed number 1 2/3 : 4 3/8 or can be used to write complex fractions that is 1/2 : 1/3. Asterisk * or x is a symbol for multiplication. Plus+ is an addition, a minus sign - is a subtraction and ()[] is a mathematical parenthesis. The exponential/power symbol is ^ - for example: (7/8-4/5)^2 = (7/8-4/5)^2 adds fractions: 2/4 + 3/4 subtracts: 2/3 - 1/2 multiplies fractions: 7/8 * 3/9 Fraction separator: 1/2 : 3/4 Exponential fractions: 3/5^3 fractional exponents: 16 ^ 1/2 adds fractions and mixed numbers: 8/5 + 6 2/7 divides integers and fractions: 5 ÷ 1/2 complex fractions: 5/8 : 2 2/2 3 decimal with fractions: 0.625 Fraction to Decimal: 1/4 Fraction to Percent: 1/8 % compare fractions: 1/4 2/3 multiply fractions by whole number: 6 * 3/4 square root of fractions: sqrt(1/16) reduce or simplify fractions (simplification) - divides the numerator and fraction denominator by the same non-zero number - equivalent fraction: 4/22 expression with parentheses: 1/3 * (1/2 - 3 3/8) compound fraction: 3/4 of 5/7 multiple fractions : 2/3 of 3/5 divide to find quotient : 3/5 ÷ 2/3 Calculator follows the famous rules for the order of operation. The most common mnemonics to remember this sequence of operations are: PEMDAS - Parentheses, Exponents, Multiplication, Division, Addition, Subtraction. BEDMAS - Parentheses, Exponents, Divisions, Multiplications, Additions, Subtractions BODMAS - Brackets, From or Order, Division, Multiplication, Addition, Subtraction. GEMDAS - Group symbols - parentheses {}, Exponents, Multiplication, Division, Addition, Subtraction. Be careful, always do multiplication and division before addition and subtraction. Some operators (+ and -) and (* and /) have the same priority and then have to evaluate from left to right.the next math problem » »

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