Recurring decimals to fractions worksheet answers

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Level 6-7 Repeating decimal number with a repetitive number or a section of repetitive numbers after the decimal point. We show this with a point above both the beginning and the end of the re-section. start dfrac $\{1\}$ 3 0. dot $\{3\}$  0.33333... «dfrac $\{6\}$ 411 0.» dot $\{5\}$  dot $\{4\}$  0.54545454... Note: Factions in which the denominator has the main factors only 2 or 5, stop (not repeated). To convert the faction into a repetitive decimal, we can find an equivalent faction that contains only 9 on the denominator. The number and the last number. Example: Write dfrac{2}{11} as a repetitive decimal. Multiply the top and bottom of the faction by 9 to make the denominator to have 9 in it: dfrac{2}{11} and dfrac{18}{99} then the numerator, 18 gives us repetitive parts, so we put a point above 1 and a point above 8. So dfrac{2}{11} o.' dot1 (dot 8) Another way to convert a faction into a repetitive decimal, is to treat the faction as a division and use some dividing method to divide the numerator into a denominator. Here we will use the bus stop method. Example: Write dfrac{5}{37} as decimal. We set up the bus stop method as follows, with a few zeros after the decimal place. Then finish the bus stop method as follows. As the decimal fraction can be a standalone exam question, so this is definitely a skill you want to master. Example: Write 0.' dot1 4'dot7 as a faction in his simplest from. Step 1: Make your number equal x. x' 0.' dot1 4'dot7 Step 2: Multiply both sides on textcolorblue {10} for each recurring number. 1000x 147.' dot1 4' dot7 Step 4: Subtract the equations in steps 2 and 3, so that the numbers after the decimal point cancel, then decide for x. start 1000x - x 147. dot1 4 dot7 - 0. dot 1 4 dot7 - 0. d method. So the setting should look. Then look to complete the bus stop method. As the decimal is repeated, it is a repetitive decimal that can be written as 0.' dot{1} convert into a faction. Then, 100x and 14.' dot{1}'dot{4}. Now that we have two rooms, x and look. Then look to complete the bus stop method. As the decimal is repeated, it is a repetitive decimal that can be written as 0.' dot{2}'dot{4}. Now that we have two rooms, x and look. Then look to complete the bus stop method. As the decimal is repeated, it is a repetitive decimal that can be written as 0.' dot{2}'dot{4}. Now that we have two rooms, x and look. Then look to complete the bus stop method. As the decimal is repeated, it is a repetitive decimal that can be written as 0.' dot{2}'dot{4}. Now that we have two rooms, x and look. Then look to complete the bus stop method. As the decimal is repeated, it is a repetitive decimal that can be written as 0.' dot{2}'dot{4}. Now that we have two rooms, x and look. 100x, with the same numbers after the decimal point, if you subtract one from the other, the numbers after the decimal point will be canceled. start 100x -x 14.' dot{1}'dot{4} - 0.' dot{1}'dot{4}'dot{4} - 0.' dot{1}'dot{4}'dot{4} - 0.' dot{1}'dot{4}'dot{ and 100x 83.' dot{3}, then we have two multiples of x that have the same numbers after the decimal point. Thus, subtracting one from the division should 0.9{3} point{0} and 1000x 390.' dot{3}9'dot{0} then x and 1000x are identical after decimal point will be canceled. 1000x - x 999x 390{3}9{3} point{0} - 0.' dot{3}9'dot{0} 390 So if we rearrange to make x subject then, x dfrac{390}{999} It simplifies, x 0.9{3} point{0} - 0.' dot{3}9'dot{0} then x and 1000x are identical after decimal point will be canceled. 1000x - x 999x 390{3}9{3} point{0} - 0.' dot{3}9'dot{0} then x and 1000x are identical after decimal point will be canceled. 1000x - x 999x 390{3}9{3} point{0} - 0.' dot{3}9'dot{0} then x and 1000x are identical after decimal point will be canceled. 1000x - x 999x 390{3}9{3} point{0} - 0.' dot{3}9'dot{0} then x and 1000x are identical after decimal point will be canceled. 1000x - x 999x 390{3}9{3} point{0} - 0.' dot{3}9'dot{0} then x and 1000x are identical after decimal point will be canceled. 1000x - x 999x 390{3}9{3} point{0} - 0.' dot{3}9'dot{0} then x and 1000x are identical after decimal point will be canceled. 1000x - x 999x 390{3}9{3} point{0} - 0.' dot{3}9'dot{0} then x and 1000x are identical after decimal point will be canceled. 1000x - x 999x 390{3}9'dot{0} then x and 1000x are identical after decimal point will be canceled. 1000x - x 999x 390{3}9'dot{0} then x and 1000x are identical after decimal point will be canceled. 1000x - x 999x 390{3}9'dot{0} then x and 1000x are identical after decimal point will be canceled. 1000x - x 999x 390{3}9'dot{0} then x and 1000x are identical after decimal point will be canceled. 1000x - x 999x 390{3}9'dot{0} then x and 1000x are identical after decimal point will be canceled. 1000x - x 999x 390{3}9'dot{0} then x and 1000x are identical after decimal point will be canceled. 1000x - x 999x 390{3}9'dot{0} then x and 1000x are identical after decimal point will be canceled. 1000x - x 999x 390{3}9'dot{0} then x and 1000x are identical after decimal point will be canceled. 1000x - x 999x 390{3}9'dot{0} then x 390{3}9'dot{0} then faction as a division, we'll use a short division to find the result of the s place. Therefore, we can subtract one from the other so that everything after the decimal point is canceled. 100x - 10x - 90x 154.' dot{4} - 15{139}{90}{4}. Give your answers as the wrong factions where necessary. Need help? Read these revision notes on Transforming Repetitive Decimals in Faction. In this sheet, we will practice converting a repetitive decimal to a fraction or a mixed number. Issue 2: Conversion of .547 into faction. A271495 B547990 C5471,000 D271500 E271505 No5: Which of the following faithful? A4.33> 4.33 B4.33< 4.33 C4.33-4.33 No6: 0.37 to a fraction. A37101 B37100 C373101 D3799 E37399 No7: Answer the following questions for recurring decimal 0.24, i.e. 0.24242424.... Let x 0.24. Find expression for 100x. A100x-242.42 B100x-0.24 C100x-24.24 D100x-24.24 D100x-24.24 D100x-24.24 D100x-24.24 D100x-24.24 E100x-20.24 Subtraction x from 100x, to find expression for 99x. A99x-24 E99x-24 E99x-24 Find x. Ax-2099 Bx-229 Cx-1433 Dx-299 Ex-833 No9: Conversion 0.7 into fraction. Question 11: Simplify 0.76 euros by giving your answer in the form of ab. A-7625 B-1925 C-19100 D-7610 E-76100 Problem 1: Hidden given a repetitive decimal in fraction32.03256256256....... Problem 3: Hidden given a repetitive decimal in fraction0.0123222........ Problem 3: Hidden given a repetitive decimal in fraction3.03333....... Problem 6: Hidden given a repetitive decimal in fraction0.252525........ ....Here repeats the pattern 2No. digits between the 1st pattern and decimal No. 4 (Here, the first repeats pattern begins after four decimal point by 10,000. 10000X and 123.2222......(1) No. numbers between the 2nd repeats pattern and decimal No. 5Then, multiply this decimal by 100000.100000x 1232.2222..... pattern begins after two decimal digits) Then, multiply this decimal point by 100. 100x 203.323232............9900/20129Problema 4: Hidden by this repetitive decimal in - (1) ) ----- 999000x 1022538x 1022539/999000 So,0235625662.......... 1022539/999000 So,0235625662........... 1022539/999000 Apart from the data above, if you need any other stuff in math, please give us: v4formath@gmail.com We always appreciate your feedback. You can also visit the following web pages on various things in math. WORD PROBLEMSHCF and LCM word problems on simple equations Word problems on linear equations Word problems on direct change and reverse variations of Word problems at reference pricesWord problems at the rate of a unit Word problems compared to ratesConverting ordinary unit problems Conversion of the word problems of problems on the mixed fractrionsOne step equation of the word problems at constant speedWord problems on age-agePythagorean theorem word problems on the mixed fractrionsOne step equation of the word problems at constant speedWord problems at constant speedWord problems at constant speedWord problems. the average speed word problems on the sum of angles triangle 180 degreesOTHER TOPICS Profit and Loss of ShortcutsTime Labelage ShortcutsTime and a range of rational functions with holesGraphing rational functionsGraphing rational functions With holesConverting repetitive decicant marks in the fractionde representation of rational numbers is divided into 17Remainder When 17 power 23 is divided by 16Sum of all three-digit numbers is divided into 6Sum of all three-digit numbers, divided into 17Remainder When 17 power 23 is divided by 16Sum of all three-digit numbers is divided into 17Remainder When 17 power 23 is divided by 16Sum of all three-digit numbers is divided into 17Remainder When 17 power 256 is divided into 17R into 7Sum of all three-digit numbers, divided into 8Sum of all three four-digit numbers formed using 1, 2, 5 6 author's onlinemath4all.com SBI! 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