Reading free 4 digits problem answers (Read Only)

how to solve digit word problems that involve the interchanging of digits digit problems algebra word problem with examples and solutions examples and step by step solutions questions and answers answer the number is 7 x 10 2 or 72 the tens digit of a two digit number is twice the units digit if the digits are reversed the new number is 36 less than the original number find the number solution let x units digit 2x tens digit then the number is 10 2x x and the reversed number is 10 x 2x equation 10 x 2x 10 2x 1 the sum of the digits of a two digit number is 13 the value of the number is 2 more than 7 times the units digit find the number u units digit t tens digit 10t u value of number t u 13 5 u 13 10t u 7u 2 5 5 7u 7u u 8 10t 6u 2 58 this tool lets you view all of the potential solutions to a digits puzzle enter the goal number and the five starting numbers separated by a comma like 1 2 3 4 5 and hit the calculate solutions button to see all of the possible solutions to the puzzle solution required number of digits 9 1 90 2 150 99 3 9 180 153 342 answer a note number of 1 digit numbers 9 number of 2 digit numbers 90 2 if the digits of a two digit number are interchanged the number so formed is 18 more than the original number the sum of digits is 8 problem 1 sum of the digits of a two digit number is 10 when we interchange the digits it is found that the resulting number is greater than the original number by 36 find the number solution let a and b are the digits of your number n so that n 10a b the number after interchanging digits is 10b a regret a decision you just made hit that undo button a few times and start over how to win at digits sometimes you may be able to look at the board and immediately spot a path to the answer the answer just so that you know is so remembering that x is the first digit and y is the second the answer is 32 so to solve problems about digits always use x for the first digit and y for the second digit then rewrite the problem sentences with x and y and solve the system of equations the four digits problem one well known mathematics problem is to write expressions for consecutive numbers beginning with 1 on this page you will use the digits 1 2 3 and 4 each digit is used only once you may use addition subtraction multiplication not division exponents and parentheses in any way you wish problem 1 the sum of digits of a two digit numbers is 15 and if 9 is added to the number the digits are interchanged find the required number a 36 b 57 c 27 d 78 solution let xy be the required two digit number the sum of digits of a two digit number 15 x y 15 1 sample problems 1 the sum of the digits in a two digit number is 11 if we interchange the digits in the number we obtain a new number that is 27 less than the original number find this number 2 the one s digit in a two digit number is three less than the ten s digit problem 1 the sum of the digits in a two digit number is seven if the tens digit is three less than the ones digit find the number problem 2 the sum of the digits in a two digit number is thirteen if the digits of the number are reversed the new number is nine more than the original number what is the original number problem 1 in a two digit number the digit in the ten s place is twice the digit in the unit s place if 27 be subtracted from the number the digits are reversed find the number solution in the required two digit number let x be the digit in one s place then the digit in the ten s place is 2x then the number is 2x x digit related problems for any three digit number let h the hundreds digit t the tens digit and u the units digit the number 100 h 10 t u the number with digits reversed 100 u 10 t h the sum of digits h t u the product of digits htu i got it but i can t remember how this works 1 25 3 22 2 22 x 10 220 3 220 6 214 i bet there are other ways i find it fascinating how many ways there are to get the same answer and i like that for a hint you can click on the answer and then only peek at the top line i do that more than i care to admit cheers problem 1 the sum of 5 times a number and 8 is 48 find the number solution let x be the number 5x 8 48 5x 40 x 8 therefore the number is 8 problem 2 a number consists of three digits of which the middle one is zero and the sum of the other digits is 9 solution number of three digit numbers 9 10 3 1 9 10 2 900 answer d note number of numbers with specific number of digits 9 10 d 1 where d number of digits 3 the difference of the squares

of two nos is 135 their difference is 5 the product of the numbers is a 182 b 178 c 180 d 176 1 digits 1 to 9 always count 2 zeros in front never count 3 zeros after a do not count unless they are also after a decimal place 4 zeros in between any digits that count count also b examples 1 2040 3 sig fig 2 2040 0 5 sig fig 3 00204 0 4 sig fig 4 0 00204 3 sig fig 5 0 020400 5 sig fig

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answer the number is 7 x 10 2 or 72 the tens digit of a two digit number is twice the units digit if the digits are reversed the new number is 36 less than the original number find the number solution let x units digit 2x tens digit then the number is 10 2x x and the reversed number is 10 x 2x equation 10 x 2x 10 2x

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1 the sum of the digits of a two digit number is 13 the value of the number is 2 more than 7 times the units digit find the number u units digit t tens digit 10t u value of number t u 13 5 u 13 10t u 7u 2 5 5 7u 7u u 8 10t 6u 2 58

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this tool lets you view all of the potential solutions to a digits puzzle enter the goal number and the five starting numbers separated by a comma like 1 2 3 4 5 and hit the calculate solutions button to see all of the possible solutions to the puzzle

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solution required number of digits 9 1 90 2 150 99 3 9 180 153 342 answer a note number of 1 digit numbers 9 number of 2 digit numbers 90 2 if the digits of a two digit number are interchanged the number so formed is 18 more than the original number the sum of digits is 8

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problem 1 sum of the digits of a two digit number is 10 when we interchange the digits it is found that the resulting number is greater than the original number by 36 find the number solution let a and b are the digits of your number n so that n 10a b the number after interchanging digits is 10b a

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regret a decision you just made hit that undo button a few times and start over how to win at digits sometimes you may be able to look at the board and immediately spot a path to the answer

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the answer just so that you know is so remembering that x is the first digit and y is the second the answer is 32 so to solve problems about digits always use x for the first digit and y for the second digit then rewrite the problem sentences with x and y and solve the system of equations

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the four digits problem one well known mathematics problem is to write expressions for consecutive numbers beginning with 1 on this page you will use the digits 1 2 3 and 4 each digit is used only once you may use addition subtraction multiplication not division exponents and parentheses in any way you wish

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problem 1 the sum of digits of a two digit numbers is 15 and if 9 is added to the number the digits are interchanged find the required number a 36 b 57 c 27 d 78 solution let xy be the required two digit number the sum of digits of a two digit number 15 x y 15 1

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sample problems 1 the sum of the digits in a two digit number is 11 if we interchange the digits in the number we obtain a new number that is 27 less than the original number find this number 2 the one s digit in a two digit number is three less than the ten s digit

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problem 1 the sum of the digits in a two digit number is seven if the tens digit is three less than the ones digit find the number problem 2 the sum of the digits in a two digit number is thirteen if the digits of the number are reversed the new number is nine more than the original number what is the original number

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problem 1 in a two digit number the digit in the ten s place is twice the digit in the unit s place if 27 be subtracted from the number the digits are reversed find the number solution in the required two digit number let x be the digit in one s place then the digit in the ten s place is 2x then the number is 2x x

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digit related problems for any three digit number let h the hundreds digit t the tens digit and u the units digit the number 100 h 10 t u the number with digits reversed 100 u 10 t h the sum of digits h t u the product of digits htu

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i got it but i can t remember how this works 1 25 3 22 2 22 x 10 220 3 220 6 214 i bet there are other ways i find it fascinating how many ways there are to get the same answer and i like that for a hint you can click on the answer and then only peek at the top line i do that more than i care to admit cheers

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problem 1 the sum of 5 times a number and 8 is 48 find the number solution let x be the number 5x 8 48 5x 40 x 8 therefore the number is 8 problem 2 a number consists of three digits of which the middle one is zero and the sum of the other digits is 9

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solution number of three digit numbers 9 10 3 1 9 10 2 900 answer d note number of numbers with specific number of digits 9 10 d 1 where d number of digits 3 the difference of the squares of two nos is 135 their difference is 5 the product of the numbers is a 182 b 178 c 180 d 176

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1 digits 1 to 9 always count 2 zeros in front never count 3 zeros after a do not count unless they are also after a decimal place 4 zeros in between any digits that count count also b examples 1 2040 3 sig fig 2 2040 0 5 sig fig 3 00204 0 4 sig fig 4 0 00204 3 sig fig 5 0 020400 5 sig fig

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