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Division as fractions worksheets

Advertisement Select a Different Activity > One Atta Time Flash Cards Distance Learning Sheet Information > Fractions as Division Problems Each worksheet has 20 problems solving a fraction as though it were a division problem. Customize preview Advertisement Printable Fractions Worksheets: Fractions as Division Improper Fractions to Mixed Numbers Mixed Numbers to Improper Fractions Fractions as Division Worksheets Free printable and online math worksheets to help you learn how to interpret fraction as division. You can either print the worksheets (pdf) or practice online. How to interpret fractions as division? Interpreting fractions as division is a fundamental concept in mathematics that helps understand the relationship between fractions and division operations. When you interpret a fraction as division, you are essentially dividing one number (the numerator) by another number (the denominator). The fraction a/b can be interpreted as "3 divided by 4." Steps to Interpret Fraction as Division: Identify the Numerator and Denominator: The numerator represents the dividend (the number being divided), and the denominator represents the divisor (the number by which the dividend is divided). Perform the Division: Divide the numerator by the denominator to find the quotient. This division can be done mentally, with long division, or using a calculator. Understand the Result: The quotient obtained represents the value of the fraction as a decimal or a mixed number. Practical Application: Fraction as Part of a Whole: In real-world scenarios, fractions often represent parts of a whole, and interpreting them as division helps understand how many of those parts make up the whole. Interpreting fractions as division is a useful concept that helps understand fractions in the context of division operations. It also lays the groundwork for more advanced concepts in mathematics. Have a look at this video if you need to review how to interpret fractions as division. Fractions as Division Then, practice the following worksheets. Click on the following worksheet to get a printable pdf document. Scroll down the page for more Fractions as Division Worksheets. More Fractions as Division Worksheets Printable (Answers on the second page) Fractions as Division Worksheet #1 Fractions as Division Worksheet #2 Fractions as Division Worksheet #3 Division to Fractions Worksheet #1 Division to Fractions Worksheet #2 Fractions as Division Lesson Fractions as Division (using tape diagrams) More Printable Worksheets Try out our new and fun Fraction Concoction Game. Add and subtract fractions to make exciting fraction concoctions following a recipe. There are four levels of difficulty: Easy, medium, hard and insane. Practice the basics of fraction addition and subtraction or challenge yourself with the insane level. We welcome your feedback, comments and questions about this site or page. Please submit your feedback or enquiries via our Feedback page. Welcome to our Dividing Fractions Worksheets page. Here you will find a range of free printable sheets and support to help your child learn to divide fractions by other fractions. Quicklinks to... We have a calculator to help you to divide a fraction by another fraction. You can divide mixed fractions or divide a fraction by an integer too. All the working out is shown step-by-step so you can see how it is worked out. Divide Fractions Calculator This support page will help you find out all about how to divide fractions. There are several worked examples and a printable support sheet. Formula for dividing two fractions $\{(a \text{ over } b) \div (c \text{ over } d) = \{ad \text{ over } bc\} \}$ Here you will find a selection of Fraction worksheets designed to help your child understand how to divide a fraction by another fraction, or to divide a fraction by a whole number. The sheets are carefully graded so that the easiest sheets come first, and the most difficult sheet is the last one. Before your child tackles dividing fractions, they should first be confident with multiplying fractions. Using these sheets will help your child to: divide a fraction by another fraction; apply their understanding of simplest form; convert between mixed fractions and improper fractions. To divide mixed fractions, use the link below! Sheet 1 is supported and has examples and instructions to follow. Sheet 2 has less support - also the fractions do not need to be simplified. Sheets 3 and 4 have no support and the fractions need to be simplified. Sheet 5 is similar to sheets 3 & 4, but the fractions also need to be converted to mixed fraction answers. This short video walkthrough shows several problems from our Dividing Fractions Worksheet 1 being solved and has been produced by the West Explains Best math channel. If you would like some support in solving the problems on these sheets, please check out the video below! We also have some multiplying and dividing fractions worksheets. Often when you have taught both of these concepts, it is important to muddle them up and practice them both to develop confidence. The sheets below are practice sheets for students who are already fairly confident multiplying and dividing fractions. Sheets 1 & 2 have 24 questions. The fractions need simplifying, but can be left as improper fractions. Sheet 3 has just 12 questions. The fractions need simplifying and converting to mixed fractions. Take a look at some more of our worksheets similar to these. We have a number of support pages designed to help you understand how to multiply and divide fractions. On each support page, there are some worked examples to show you what to do. We also have some math videos on some support pages to help explain what to do. We have more worksheets to help your child learn and practice multiplying and dividing fractions. All the sheets are carefully graded with different levels of support. Take a look at our full range below. This support page shows how to convert improper fractions to mixed numbers, and how to convert mixed numbers to improper fractions. You will also find printable support sheets, and several practice math worksheets for this learning fractions skill. Convert Improper Fractions Support This is also sometimes called reducing fractions to their simplest form. This involves dividing both the numerator and denominator by a common factor to reduce the fraction to the equivalent fraction with the smallest possible numerator and denominator. The printable fraction page below contains more support, examples and practice about simplifying fractions. How to Simplify Fractions support page Simplify Fractions Practice Zone This quick quiz tests your understanding and skill at dividing fractions by other fractions. Dividing Fractions (by fractions) Quiz How to Print or Save these sheets Need help with printing or saving? Follow these 3 steps to get your worksheets printed perfectly! How to Print or Save these sheets Need help with printing or saving? Follow these 3 steps to get your worksheets printed perfectly! Sign up for our newsletter to get free math support delivered to your inbox each month. Plus, get a seasonal math grab pack included for free! The Math Salamanders hope you enjoy using these free printable Math worksheets and all our other Math games and resources. If you have any questions or need any information about our site, please get in touch with us using the 'Contact Us' tab at the top and bottom of every page.