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Welcome to The Adding, Subtracting, Multiplying and Dividing Mixed Integers from -9 to 9 (50 Questions) (A) Math Worksheet from the Integers Worksheets Page at Math-Drills.com. This math worksheet was created or last revised on 2023-09-20 and has been viewed 291 times this week and 7,686 times this month. It may be printed, downloaded or saved and used in your classroom, home school, or other educational environment to help someone learn math. Teachers can use math worksheets as tests, practice assignments or teaching tools (for example in group work, for scaffolding or in a learning center). Parents can work with their children to give them extra practice, to help them learn a new math skill or to keep their skills fresh over school breaks. Students can use math worksheets to master a math skill through practice, in a study group or for peer tutoring. Use the buttons below to print, open, or download the PDF version of the Adding, Subtracting, Multiplying and Dividing Mixed Integers from -9 to 9 (50 Questions) (A) math worksheet. The size of the PDF file is 27583 bytes. Preview images of the first and second (if there is one) pages are shown. If there are more versions of this worksheet, the other versions will be available below the preview images. For more like this, use the search bar to look for some or all of these keywords: mathematics, integers, negative, positive, horizontally, arranged, mixed, operations, addition, adding, sums, subtraction, subtracting, differences, multiplication, multiplying, products, division, divide, dividing, dividends, divisors, quotients, fillable, savable, saveable. Open Full Version Download Full Version Open Student Version Download Student Version The Print button initiates your browser's print dialog. The Open button opens the complete PDF file in a new browser tab. The Download button initiates a download of the PDF math worksheet. Teacher versions include both the question page and the answer key. Student versions, if present, include only the question page. ✎ This worksheet is fillable and savable. It can be filled out and downloaded or printed using the Chrome or Firefox browsers, or it can be downloaded, filled out and saved or printed in stand-along apps like Foxit Reader. The Adding, Subtracting, Multiplying and Dividing Mixed Integers from -9 to 9 (50 Questions) (A) Math Worksheet Page 1 The Adding, Subtracting, Multiplying and Dividing Mixed Integers from -9 to 9 (50 Questions) (A) Math Worksheet Page 2 Other Versions: More Integers Worksheets Integer worksheets contain a huge collection of practice pages based on the concepts of addition, subtraction, multiplication, and division. Exclusive pages to compare and order integers and representing integers on a number line are given here with a variety of activities and exercises. These pdf worksheets provide abundant practice for 6th grade, 7th grade, and 8th grade students. Explore some of them for free! Representation of Integers These integer worksheets are based on simple real-life scenarios. Read each statement to represent the integers. Each pdf worksheet has ten statements. Opposite Value of Integers Write the opposite value of integers and also mark them on a number line in these worksheets. Three different sections are here for practice. Opposite vs Absolute Value In the first two sections write the opposite value and absolute value of integers. Compare the opposite and absolute value of integers in the third section. Mixed Operations: Level 1 Acquaint young students with addition, subtraction, multiplication and division of integers with this set of printable worksheets featuring integers up to 20. Take a special note of the signs while performing the arithmetic operations. Mixed Operations: Level 2 Elevate your learning to the next level by working out the problems in these exercises that include integers up to 99. Add, subtract, multiply and divide the positive and negative numbers to get an ample understanding of integers. Mixed Review: True or False Ten statements on integer facts are given in these mixed review worksheets for grade 6 and grade 7. Write true or false against each statement. Evaluating Integers In these printable integer worksheets, grade 7 and grade 8 students substitute the values of the unknown variables in the given expressions and evaluate them. Add-On Practice Worksheets Shape Math:Multiplying IntegersAt the top of this worksheet, students are presented with shapes that have positive and negative integers in them. Students multiply similar shapes together. For example:Find the product of the numbers in the hexagons.6th through 8th GradesMixed Operations w/ IntegersAdd, subtract, multiply, and divide integers on this practice worksheet. Includes 13 regular problems and 2 word problems.6th through 8th GradesPre-Algebra & Algebra WorksheetsStudents will learn to evaluate expressions, solve equations, identify dependent/independent variables, and work with inequalities.Number LinesThese number line worksheets can be used to teach students about integers, skip counting, addition, subtraction, and number patterns. Welcome to the integers worksheets page at Math-Drills.com where you may have a negative experience, but in the world of integers, that's a good thing! This page includes Integers worksheets for comparing and ordering integers, adding, subtracting, multiplying and dividing integers and order of operations with integers. If you've ever spent time in Canada in January, you've most likely experienced a negative integer first hand. Banks like you to keep negative balances in your accounts, so they can charge you loads of interest. Deep sea divers spend all sorts of time in negative integer territory. There are many reasons why a knowledge of integers is helpful even if you are not going to pursue an accounting or deep sea diving career. One hugely important reason is that there are many high school mathematics topics that will rely on a strong knowledge of integers and the rules associated with them. We've included a few hundred integers worksheets on this page to help support your students in their pursuit of knowledge. You may also want to get one of those giant integer number lines to post if you are a teacher, or print off a few of our integer number lines. You can also project them on your whiteboard or make an overhead transparency. For homeschoolers or those with only one or a few students, the paper versions should do. The other thing that we highly recommend are integer chips a.k.a. two-color counters. Read more about them below. Two-color counters are fantastic manipulatives for teaching and learning about integer addition. Two-color counters are usually plastic chips that come with yellow on one side and red on the other side. They might be available in other colors, so you'll have to substitute your own colors in the following description. Adding with two-color counters is actually quite easy. You model the first number with a pile of chips flipped to the correct side and you also model the second number with a pile of chips flipped to the correct side; then you mash them all together, take out the zeros (if any) and behold, you have your answer! Need further elaboration? Read on! The correct side means using red to model negative numbers and yellow to model positive numbers. You would model —5 with five red chips and 7 with seven yellow chips. Mashing them together should be straight forward although, you'll want to caution your students to be less exuberant than usual, so none of the chips get flipped. Taking out the zeros means removing as many pairs of yellow and red chips as you can. You can do this because —1 and 1 when added together equals zero (this is called the zero principle). If you remove the zeros, you don't affect the answer. The benefit of removing the zeros, however, is that you always end up with only one color and as a consequence, the answer to the integer question. If you have no chips left at the end, the answer is zero! Adding Integers Worksheets with 75 Questions Per Page (Some Parentheses) Adding Integers Worksheets with 75 Questions Per Page (All Parentheses) Adding Integers Worksheets with 75 Questions Per Page (No Parentheses) Adding Integers Worksheets with 50 Questions Per Page (Some Parentheses) Adding Integers Worksheets with 50 Questions Per Page (All Parentheses) Adding Integers Worksheets with 50 Questions Per Page (No Parentheses) Adding Integers Worksheets with 25 Large Print Questions Per Page (Some Parentheses) Adding Integers Worksheets with 25 Large Print Questions Per Page (All Parentheses) Adding Integers Worksheets with 25 Large Print Questions Per Page (No Parentheses) Vertically Arranged Integer Addition Worksheets Subtracting with integer chips is a little different. Integer subtraction can be thought of as removing. To subtract with integer chips, begin by modeling the first number (the minuend) with integer chips. Next, remove the chips that would represent the second number from your pile and you will have your answer. Unfortunately, that isn't all there is to it. This works beautifully if you have enough of the right color chip to remove, but often times you don't. For example, 5 - (-5), would require five yellow chips to start and would also require the removal of five red chips, but there aren't any red chips! Thank goodness, we have the zero principle. Adding or subtracting zero (a red chip and a yellow chip) has no effect on the original number, so we could add as many zeros as we wanted to the pile, and the number would still be the same. All that is needed then is to add as many zeros (pairs of red and yellow chips) as needed until there are enough of the correct color chip to remove. In our example 5 - (-5), you would add 5 zeros, so that you could remove five red chips. You would then be left with 10 yellow chips (or +10) which is the answer to the question. Subtracting Integers Worksheets with 75 Questions Per Page (Some Parentheses) Subtracting Integers Worksheets with 75 Questions Per Page (All Parentheses) Subtracting Integers Worksheets with 75 Questions Per Page (No Parentheses) Subtracting Integers Worksheets with 50 Questions Per Page (Some Parentheses) Subtracting Integers Worksheets with 50 Questions Per Page (All Parentheses) Subtracting Integers Worksheets with 50 Questions Per Page (No Parentheses) Subtracting Integers Worksheets with 25 Large Print Questions Per Page (Some Parentheses) Subtracting Integers Worksheets with 25 Large Print Questions Per Page (All Parentheses) Subtracting Integers Worksheets with 25 Large Print Questions Per Page (No Parentheses) Vertically Arranged Integer Subtraction Worksheets The worksheets in this section include addition and subtraction on the same page. Students will have to pay close attention to the signs and apply their knowledge of integer addition and subtraction to each question. The use of counters or number lines could be helpful to some students. Adding and Subtracting Integers Worksheets with 75 Questions Per Page (Some Parentheses) Adding and Subtracting Integers Worksheets with 75 Questions Per Page (All Parentheses) Adding and Subtracting Integers Worksheets with 75 Questions Per Page (No Parentheses) Adding and Subtracting Integers Worksheets with 50 Questions Per Page (Some Parentheses) Adding and Subtracting Integers Worksheets with 50 Questions Per Page (All Parentheses) Adding and Subtracting Integers Worksheets with 50 Questions Per Page (No Parentheses) Adding and Subtracting Integers Worksheets with 25 Large Print Questions Per Page (Some Parentheses) Adding and Subtracting Integers Worksheets with 25 Large Print Questions Per Page (All Parentheses) Adding and Subtracting Integers Worksheets with 25 Large Print Questions Per Page (No Parentheses) These worksheets include groups of questions that all result in positive or negative sums or differences. They can be used to help students see more clearly how certain integer questions end up with positive and negative results. In the case of addition of negative and positive integers, some people suggest looking for the "heavier" value to determine whether the sum will be positive of negative. More technically, it would be the integer with the greater absolute value. For example, in the question (−2) + 5, the absolute value of the positive integer is greater, so the sum will be positive. In subtraction questions, the focus is on the subtrahend (the value being subtracted). In positive minus positive questions, if the subtrahend is greater than the minuend, the answer will be negative. In negative minus negative questions, if the subtrahend has a greater absolute value, the answer will be positive. Vice-versa for both situations. Alternatively, students can always convert subtraction questions to addition questions by changing the signs (e.g. (−5) − (−7) is the same as (−5) + 7; 3 − 5 is the same as 3 + (−5)). Scaffolded Integer Addition and Subtraction Multiplying and Dividing Integers Multiplying integers is very similar to multiplication facts except students need to learn the rules for the negative and positive signs. In short, they are: In words, multiplying two positives or two negatives together results in a positive product, and multiplying a negative and a positive in either order results in a negative product. So, -8 × 8, 8 × (-8), -8 × (-8) and 8 × 8 all result in an absolute value of 64, but in two cases, the answer is positive (64) and in two cases the answer is negative (-64). Should you wish to develop some "real-world" examples of integer multiplication, it might be a stretch due to the abstract nature of negative numbers. Sure, you could come up with some scenario about owing a debt and removing the debt in previous months, but this may only result in confusion. For now students can learn the rules of multiplying integers and worry about the analogies later! Multiplying Integers with 100 Questions Per Page Multiplying Integers with 50 Questions Per Page Multiplying Integers with 25 Large Print Questions Per Page Luckily (for your students), the rules of dividing integers are the same as the rules for multiplying: Dividing a positive by a positive integer or a negative by a negative integer will result in a positive integer. Dividing a negative by a positive integer or a positive by a negative integer will result in a negative integer. A good grasp of division facts and a knowledge of the rules for multiplying and dividing integers will go a long way in helping your students master integer division. Use the worksheets in this section to guide students along. Dividing Integers with 100 Questions Per Page Dividing Integers with 50 Questions Per Page Dividing Integers with 25 Large Print Questions Per Page This section includes worksheets with both multiplying and dividing integers on the same page. As long as students know their facts and the integer rules for multiplying and dividing, their sole worry will be to pay attention to the operation signs. Multiplying and Dividing Integers with 100 Questions Per Page Multiplying and Dividing Integers with 75 Questions Per Page Multiplying and Dividing Integers with 50 Questions Per Page Multiplying and Dividing Integers with 25 Large Print Questions Per Page