

Download Multiplication And Division Of Integers

DIVISION OF INTEGERS. If multiplication is totaling of numbers, division is the distribution of numbers. Dividing integers is opposite operation of multiplication. But the rules for division of integers are same as multiplication rules. Though, it is not always necessary that the quotient will always be an integer.

Multiplication and Division of Integers. MULTIPLICATION. RULE 1: The product of a positive integer and a negative integer is negative. **RULE 2:** The product of two positive integers is positive.

Multiplication and Division of Integers Multiplication of whole numbers may be interested as repeated addition. For example, $3 \cdot 2$ means three 2's; thus, $3 \cdot 2 = 2 + 2 + 2 = 6$.

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In multiplication and division, however, you calculate the result as if there were no minus signs and then look at the signs to determine whether your result is positive or negative. Two quick multiplication examples:

Multiplication of integers. Multiply the integers to find the product. A total of 48 problems are given in these integer worksheets for practice. Sheet 1 | Sheet 2 | Sheet 3. Download All; Multiplication squares. In these worksheets, 2X2 and 3X3 multiplication squares are given. Multiply the integers in the rows and columns and write the products in the squares.

We've shown that $3 \cdot (-4) = -12$. However, integer multiplication is commutative, so it must also be true that $(-4) \cdot 3 = -12$. That is, the product of a negative integer and a positive integer is also a negative integer. Although not a proof, this argument motivates the following fact about integer multiplication.

Study the examples below and see if you spot any patterns. Can you figure out the rules for multiplying and dividing integers? Try it first before clicking "Show Me" to see the rules.

The Associative Law of Multiplication applies to integers. In Example 3 above, we multiplied the product of the first and second integer by the third integer. We can also solve these problems by multiplying the first integer by the product of the second and third. We will do this in Example 4 below.

Comparing & Ordering Integers Worksheets. Comparing and ordering integers worksheets for learning about ordinality in integers. For students who are just starting with integers, it is very helpful if they can use an integer number line to compare integers and to see how the placement of integers works.

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