Division by Zero

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Division by Zero is the operation of taking the quotient of any number **x** and 0, i.e., **x/0**. The uniqueness of division breaks down when dividing by zero, since the product **0·y=0** is the same for any **y**, so **y** cannot be recovered by inverting the process of multiplication. 0 is the only number with this property and, as a result, division by zero is undefined for real numbers and can produce a fatal condition called a **Division by Zero** error in computer programs.

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