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| **MODULE:** 3 | **LESSON:** 1 | CLASSIFYING RATIONAL NUMBERS |

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| A rational number is a number that can be written as , where *a* and *b* are integers and *b* ≠ 0. Decimals, fractions, mixed numbers, and integers are all rational numbers.  You can demonstrate a number is rational by writing it in the form .  A. 14 Write the whole number over 1.  B. 0.83 Write the decimal as a fraction. Simplify if possible.  C.  Change the mixed number to an improper fraction.  A Venn diagram is a graphical illustration used to show relationships between various sets of data or groups. Each set or group is represented by an oval, and the relationships among these sets are expressed by their areas of overlap.  6_MTXEAR065642_032T  • Integers contain the entire set of whole numbers.  • Rational numbers contain the entire sets of  integers and whole numbers.  • If a number is a whole number, it is also an integer.  • If a number is an integer, it is to also a rational number. |