Complete each statement below with one of the answers at the bottom of the page. Write the letter of each statement above its correct answer.

S	A number that can be written as a fraction $\frac{a}{b}$, where a and b are integers and $b \neq 0$, is a rational number.
I	A fraction can be changed to a decimal by dividing the numerator by the denominator.
A	When a fraction is changed to a decimal and the remainder is zero, the decimal is called a terminating decimal.
D	When a fraction is changed to a decimal and the remainder is NOT zero, a digit or block of digits will eventually start to repeat. Such a decimal is called a repeating decimal.
S	Thus, since a rational number is a number that can be written as a fraction, every rational number can be expressed as either a terminating or repeating decimal.
H	The reverse is also true. Every terminating or repeating decimal represents a rational number and can be changed to a fraction.
F	A number that CANNOT be expressed as a fraction $\frac{a}{b}$, where a and b are integers, is an irrational number.
H	Terminating and repeating decimals represent rational numbers. Therefore, the decimals for irrational numbers neither terminate nor repeat.
I	Instead, the decimal for an irrational number is an endless string of digits that never repeats and never terminates.
N	An example of an irrational number is 0.121221222122221...

Homework:

Review Package