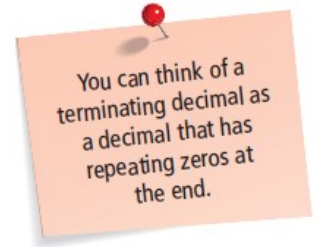


A _____ is a number that can be written as $\frac{a}{b}$ where a and b are integers, and $b \neq 0$.

Rational numbers can be written in decimal form as either _____ decimals, or _____ decimals.



Writing Fractions & Mixed Numbers as Decimals

Ex:) a. Write $1\frac{4}{25}$ as a decimal.

Notes:

b. Write $\frac{5}{33}$ as a decimal.

Notes:

OYO:) a. Write $-\frac{2}{9}$ as a decimal.

Notes:

b. Write $\frac{3}{15}$ as a decimal.

Notes:

Writing a Repeating Decimal as a Fraction

Ex:) Write $1.\overline{25}$ as a mixed number.

OYO:) Write $-4.\overline{50}$ as a mixed number.

Modeling Real Life

Ex:) The weight of an object on the moon is about $0.1\bar{6}$ times its weight on Earth. An astronaut weighs 192 pounds on Earth. How much does the astronaut weight on the moon?

Notes:



OYO:) A fun house mirror distorts the image it reflects. Objects reflected in the mirror appear $1.\bar{3}$ times taller. When a five-foot-tall person looks in the mirror, how tall does she appear?

Notes:

