Unit 3: Rational Numbers

3.1 What is a Rational Number?

A Rational Number is any # that can be written as a fraction. This includes all terminating and repeating decimal. Example (1): Which rational numbers are equal? $\begin{bmatrix} \frac{5}{7} \\ 7 \end{bmatrix} \begin{pmatrix} -\frac{5}{7} \\ -7 \end{pmatrix} \begin{pmatrix} \frac{5}{-7} \\ -7 \end{pmatrix} \begin{bmatrix} -\frac{5}{-7} \\ -7 \end{pmatrix} \begin{pmatrix} -\frac{5$

Example (2): Write the rational number represented by each letter on the number line, as a **decimal**.





Example (5): Show the set of numbers on a number line.



