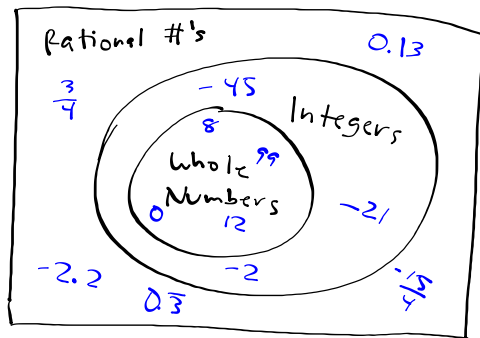


2.1 Rational Numbers

Rational number - a # that can be written as $\frac{a}{b}$ where a and b are integers; $b \neq 0$



Terminating decimal - a decimal that ends

1.5, -2.1, 0.375

Repeating decimal - a decimal that repeats (in a pattern) itself

$0.\overline{34}$, $0.\overline{3}$, $0.\overline{54}$

Convert fraction to decimal

Ex. 1 a) $\frac{4}{5}$

$$\begin{array}{r} 0.8 \\ 5 \overline{) 4.00} \\ \underline{40} \\ 0 \end{array}$$

$\boxed{0.8}$

b) $-2\frac{1}{4}$

$$\begin{array}{r} -2.25 \\ 4 \overline{) 9.00} \\ \underline{8} \\ 10 \\ \underline{8} \\ 20 \\ \underline{20} \\ 0 \end{array}$$

$\boxed{-2.25}$

Convert decimal to fraction

Ex. 2 a) 1.31

$\boxed{1\frac{31}{100}}$

b) 5.312

$$\begin{array}{r} 5\frac{312}{1000} \\ \frac{78}{250} \\ \frac{39}{125} \end{array}$$

$\boxed{5\frac{39}{125}}$

Tear & cut out WB p. 259 & 261

HW: WB p. 23 #All