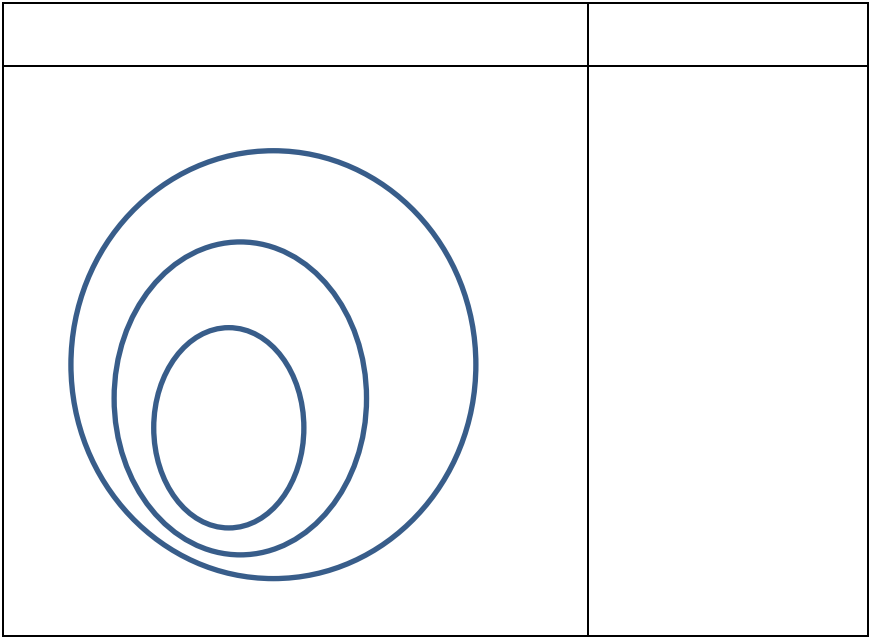


Sets of Numbers

Set	Definition	Examples
Natural Numbers		
Whole Numbers		
Integers		
Rational Numbers		
Irrational Numbers		
Real		



	Natural	Whole	Integer	Rational	Irrational	Real
-7						
$\sqrt{5}$						
$\frac{2}{3}$						
1.141421...						
$\sqrt{81}$						
-4.375						
$\sqrt{13}$						
$3.\overline{6}$						
$\sqrt{1}$						
$\frac{15}{3}$						
$\frac{15}{2}$						
$2.3\overline{2}$						
$\sqrt{5}$						
-101						
$1.\overline{375}$						
8						
0						
2.3756...						

Write each rational number as a fraction (either proper or improper – not mixed) where the numerator and denominator are each integers.

1. 0.4	2. -3.6	3. 0.37	4. $-6\frac{1}{3}$
5. $3\frac{3}{4}$	6. 0	7. 67.25	8. 17

Write a decimal for fraction or mixed number. Indicate repeating digits with a bar.

1. $\frac{5}{3}$	2. $\frac{4}{9}$	3. $3\frac{1}{4}$	4. $1\frac{5}{12}$
5. $\frac{3}{8}$	6. $\frac{7}{25}$	7. $\frac{2}{7}$	8. $\frac{5}{11}$

Represent each of the following by a positive or negative rational number.

1. A weight gain of 2.1 kilograms_____
2. A weight loss of 5.5 pounds_____
3. An elevation of 250 meters below sea level_____
4. A deposit of \$75.25 in a savings account_____
5. A drop in temperature of 5 degrees_____
6. A profit of \$1050_____