Real or Imaginary?

Create a large Venn Diagram using the following labels:
Whole Numbers
Natural Numbers
Integers
Rational Numbers
Irrational Numbers
Real Numbers
Imaginary Numbers
Complex Numbers

Once you have drawn your Venn Diagram, decide where in your Venn Diagram each number (on the following pages) belongs.

Real or Imaginary?

$\sqrt{2}$	$\dfrac{\sqrt{3}}{2}$	$\dfrac{5}{7}$	- 3 ½
0	$0.\overline{2727}$	$0.1537\ldots$	$3.1428\ldots$
π	$\dfrac{22}{7}$	$\dfrac{1}{3}$	0.45
$0.2\overline{4}$	$8.\overline{28}$	$0.\overline{428571}$	9

Real or Imaginary?

-2	$\frac{1}{4}$	3.642	$\sqrt{4}$
$\sqrt{-9}$	$\sqrt{841}$	$\sqrt{\frac{8}{2}}$	13.05
$13.\overline{05}$	$7.\overline{4}$	7.4	-7.4
62.5%	100%	0.2685	4 + 2i

Real or Imaginary?

$\dfrac{3x + 5}{3x}$	$\dfrac{x - 2}{x - 2}$	$\dfrac{x^2 - 9}{x - 3}$	$-\sqrt{24}$
$\sqrt{1000}$	$\sqrt{1.21}$	$\dfrac{45}{100}$	$\dfrac{45}{99}$
$\dfrac{\sqrt{49}}{\sqrt{100}}$	$9.256\overline{7}$	$\dfrac{4\ ¼}{8\ ½}$	-17
$-\sqrt{16}$	$\sqrt{-16}$	5.000	$7\ ¼\%$

Real or Imaginary?