

The Number System

Identify the sets to which each of the following numbers belongs by marking an “X” in the appropriate boxes.

	Number	<u>N</u> atural Numbers	<u>W</u> hole Numbers	<u>I</u> ntegers	<u>R</u> ational Numbers	<u>I</u> rrational Numbers	<u>R</u> eal Numbers
1.	$-\sqrt{17}$						
2.	-2						
3.	$-\frac{9}{37}$						
4.	0						
5.	-6.06						
6.	$4.5\overline{6}$						
7.	$3.050050005\dots$						
8.	18						
9.	$\frac{-43}{0}$						
10.	π						
11.	$\overline{.634}$						
12.	$\sqrt{225}$						
13.	$.634$						
14.	$\sqrt{\frac{4}{49}}$						
15.	$-\sqrt{64}$						

	Number	<u>N</u> atural Numbers	<u>W</u> hole Numbers	<u>I</u> ntegers	<u>R</u> ational Numbers	<u>I</u> rrational Numbers	<u>R</u> eal Numbers
16.	$\sqrt{13}$						
17.	-5						
18.	$\frac{2}{3}$						
19.	-0.083						
20.	27						
21.	$2.\overline{647}$						
22.	$3.0\overline{505}$						
23.	-198						
24.	$-\frac{1}{2}$						
25.	10						

ANSWERS

1. I, R 3. R, N, R 5. R, N, R 7. I, N, R 9. None 11. R, N, R 13. R, N, R 15. I, R, N, R
 17. I, R, N, R 19. R, N, R 21. R, N, R 23. I, R, N, R 25. N, W, I, R, N, R