

State what set(s) of numbers each of the following numbers belong to

1. 4

This is a natural number, a whole number, an integer, a rational number and a real number.

2. 5.3

This is a rational number and a real number.

3. 0

This is a whole number, an integer, a rational number, and a real number.

4.  $-\frac{1}{3}$

This is a rational number and a real number.

5.  $\pi$

This is an irrational number and a real number.

6. 1

This is a natural number, a whole number, an integer, a rational number, and a real number.

7. -9

This is an integer, a rational number, and a real number.

8. 4.333333333...

Since this is a repeating decimal, it is a rational number and a real number.

9.  $2\frac{7}{9}$

This is a rational number and a real number.

10.  $-\sqrt{9}$

Since this equals -3, it is an integer, a rational number, and a real number.

11. -8.837829304932

Since this number does not repeat, but eventually ends, it is a rational number and a real number.

12. 3,492

This is a whole number, an integer, a rational number, and a real number.

13. 7

This is a natural number, a whole number, an integer, a rational number and a real number.

14.  $\frac{8}{3}$   
This is a rational number and a real number.

15. -4.0  
This is an integer, a rational number, and a real number.