



MAth on the Fly!



NAME: _____ DATE: _____

Classifying Numbers

Determine if the numbers below belong to the following sets of numbers:

- | | | |
|---------------------|----------------------|-------------------|
| → Complex Numbers | → Irrational Numbers | → Integers |
| → Real Numbers | → Rational Numbers | → Whole Numbers |
| → Imaginary Numbers | | → Natural Numbers |

(NOTE: Some numbers will belong to multiple groups.)

- | | |
|--------------------|-----------------------|
| 1. -72 | 2. 0 |
| 3. 0.125 | 4. $\sqrt{37}$ |
| 5. $\frac{1}{2}$ | 6. $0.5\overline{31}$ |
| 7. π | 8. 14 |
| 9. $6.2222\dots$ | 10. $\sqrt{49}$ |
| 11. $1\frac{3}{4}$ | 12. -8 |
| 13. $2\sqrt{5}$ | 14. $3i$ |
| 15. -19.1 | 16. $\frac{21}{7}$ |

SOLUTIONS

1.

$$-72$$

Complex, Real, Rational, Integer

2.

$$0$$

Complex, Real, Rational,
Integer, Whole Number

3.

$$0.125$$

Complex, Real, Rational

4.

$$\sqrt{37}$$

Complex, Real, Irrational

5.

$$\frac{1}{2}$$

Complex, Real, Rational

6.

$$0.5\overline{31}$$

Complex, Real, Rational

7.

$$\pi$$

Complex, Real, Irrational

8.

$$14$$

Complex, Real, Rational, Integer,
Whole Number, Natural

9.

$$6.2222\dots$$

Complex, Real, Rational

10.

$$\sqrt{49} = 7$$

Complex, Real, Rational, Integer,
Whole Number, Natural

11.

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

Complex, Real, Rational

12.

$$-8$$

Complex, Real, Rational, Integer

13.

$$2\sqrt{5}$$

Complex, Real, Irrational

14.

$$3i$$

Complex, Imaginary

15.

$$-19.1$$

Complex, Real, Rational

16.

$$\frac{21}{7} = 3$$

Complex, Real, Rational, Integer
Whole Number, Natural