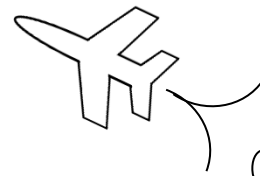


MAth on the Fly!



NAME: _____ DATE: _____

Classifying Numbers

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

- Complex Numbers
- Real Numbers
- Imaginary Numbers
- Irrational Numbers
- Rational Numbers
- Integers
- Whole 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...

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. π
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