

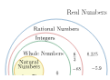


Classify numbers as natural, whole, integer, rational, irrational, or real

1 Select the grouping that matches this description

Any number that can be expressed as a fraction of two integers (e.g., $1/2$, $-3/4$, 5).

A



B



2 Select the description of the highlighted grouping

A A real number that cannot be expressed as a simple fraction (e.g., $\sqrt{2}$, π).

B Any number that can be expressed as a fraction of two integers (e.g., $1/2$, $-3/4$, 5).

C A positive integer (1, 2, 3, ...).

D A non-negative integer (0, 1, 2, 3, ...).



3 Select the narrowest description that matches this number type

$$\sqrt{\frac{45}{5}}$$

A A real number that cannot be expressed as a simple fraction (e.g., $\sqrt{2}$, π).

B A positive integer (1, 2, 3, ...).

4 Is this number a rational number (even if that's not it's narrowest type)?

Is 7 a rational number

A

Yes

B

No

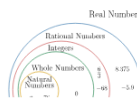
5 Select the narrowest grouping that matches this number type

$$0.\overline{10}$$

A



B



6 Is a rational number also an irrational number?

A

Always

B

Sometimes

C

Never

7 Classify this number as natural, whole, integer, rational or irrational. Pick the narrowest definition that fits.

$$\frac{1}{10}$$

A

Whole Number

B

Rational Number

C

Irrational Number

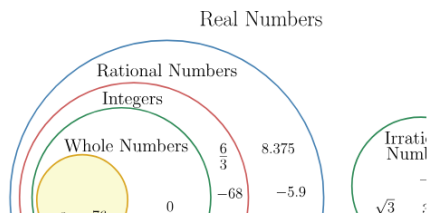
D

Natural Number



Classify numbers as natural, whole, integer, rational, irrational, or real

- 8 Select the number that would go in this grouping



A

$$\frac{25}{5}$$

B

$$-1.\bar{3}$$

C

$$-2.\bar{3}$$

- 9 Classify this number as natural, whole, integer, rational or irrational. Pick the narrowest definition that fits.

$$\sqrt{2}$$

- | | |
|---|-------------------|
| A | Whole Number |
| B | Rational Number |
| C | Irrational Number |
| D | Natural Number |

- 10 Classify this number as natural, whole, integer, rational or irrational. Pick the narrowest definition that fits.

$$16$$

- | | |
|---|-------------------|
| A | Natural Number |
| B | Irrational Number |

- 11 Classify this number as natural, whole, integer, rational or irrational. Pick the narrowest definition that fits.

$$\frac{3}{5}$$

- | | |
|---|-------------------|
| A | Rational Number |
| B | Whole Number |
| C | Irrational Number |
| D | Natural Number |