



Locate irrational numbers on a number line

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

$$-\frac{4}{9}$$

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

- 2 Select the number that is a rational number

Rational Number

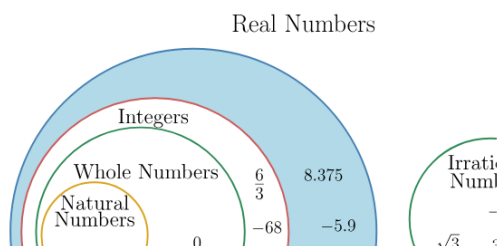
- | | | | |
|---|-------------|---|-----------------|
| A | $\sqrt{61}$ | B | $-\frac{6}{13}$ |
| C | $\sqrt{17}$ | | |

- 3 Select the narrowest grouping that matches this number type

$$\frac{0}{12}$$



- 4 Select the number that would go in this grouping



- | | |
|---|-----------------------|
| A | $\frac{\sqrt{11}}{4}$ |
| B | $0.\overline{11}$ |
| C | $\frac{\sqrt{23}}{4}$ |

**Locate irrational numbers on a number line****5** Which number is between 2 and 3?

A

$$\sqrt[3]{2}$$

B

$$\sqrt[3]{13}$$

C

$$\sqrt{2}$$

6 Which number is between -3 and -2?

A

$$-\frac{3}{4}\pi$$

B

$$-\frac{5}{4}\pi$$

C

$$-\sqrt[3]{6}$$

7 Which number is between -2 and -1?

A

$$-\sqrt[3]{13}$$

B

$$-\sqrt{7}$$

C

$$-\sqrt[3]{3}$$

8 Which number is between 2 and 3?

A

$$\sqrt[3]{5}$$

B

$$\sqrt{2}$$

C

$$\frac{4}{5}\pi$$

9 Which number is between -5 and -4?

A

$$-\sqrt[3]{12}$$

B

$$-\sqrt{17}$$

C

$$-\frac{5}{3}\pi$$

10 Which number is between -3 and -2?

A

$$-\sqrt[3]{3}$$

B

$$-\sqrt[3]{20}$$

C

$$-\sqrt[3]{28}$$

11 Which number is between 3 and 4?

A

$$\frac{5}{6}\pi$$

B

$$\sqrt{17}$$

C

$$\sqrt[3]{28}$$

12 Which number is between -2 and -1?

A

$$\frac{\pi}{4}$$

B

$$-\frac{1}{5}\pi$$

C

$$-\sqrt[3]{2}$$