



Number Types (Real) - Number and Set Builder Definition to True/False - Whole, Natural, Integer, Rational, Irrational Numbers

1

Is this number part of this set (even if that's not it's narrowest type)?

$$\frac{36}{49}$$

$$\{x \mid x \in \mathbb{R}, x \notin \mathbb{Q}\}$$

A	B
Yes	No

2

Is this number part of this set (even if that's not it's narrowest type)?

$$\frac{\sqrt{13}}{9}$$

$$\{x \mid x \in \mathbb{Q}\}$$

A	B
Yes	No

3

Is this number part of this set (even if that's not it's narrowest type)?

$$\frac{\sqrt{17}}{3}$$

$$\{x \mid x \in \mathbb{Q}\}$$

A	B
Yes	No

4

Is this number part of this set (even if that's not it's narrowest type)?

$$\sqrt{\frac{8}{2}}$$

$$\{x \mid x \in \mathbb{R}, x \notin \mathbb{Q}\}$$

A	B
Yes	No

5

Is this number part of this set (even if that's not it's narrowest type)?

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

$$\{x \mid x \in \mathbb{Q}\}$$

A	B
Yes	No

6

Is this number part of this set (even if that's not it's narrowest type)?

$$\frac{\sqrt{23}}{1}$$

$$\{x \mid x \in \mathbb{N}\}$$

A	B
Yes	No

7

Is this number part of this set (even if that's not it's narrowest type)?

$$\sqrt{\frac{100}{4}}$$

$$\{x \mid x \in \mathbb{R}, x \notin \mathbb{Q}\}$$

A	B
Yes	No

8

Is this number part of this set (even if that's not it's narrowest type)?

$$\frac{30}{6}$$

$$\{x \mid x \in \mathbb{Q}\}$$

A	B
Yes	No