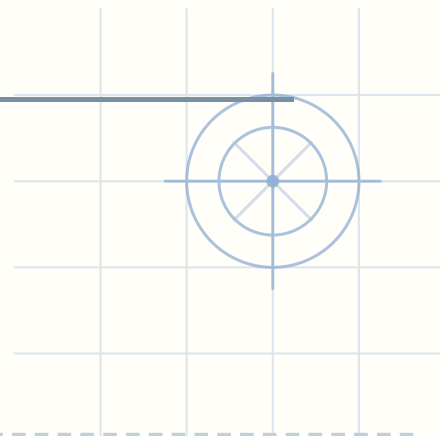


Rational or irrational — Fractions, decimals and π

Name: _____

Date: _____

(Is each number rational or irrational? Circle one.



1 0.251 Rational / Irrational

2 -29 Rational / Irrational

3 $6/2$ Rational / Irrational

4 0.282828... Rational / Irrational

5 $\sqrt{10}$ Rational / Irrational

6 0.29 Rational / Irrational



Rational or irrational · Fractions, decimals and π — Answer key

1. 0.251: rational — a decimal that stops can be written over a power of ten

2. -29: rational — every whole number is a fraction over 1

3. $6/2$: rational — it is already written as one whole number over another

4. 0.282828...: rational — a decimal that repeats forever can still be written as a fraction

5. $\sqrt{10}$: irrational — 10 is not a perfect square, so its root never ends and never repeats

6. 0.29: rational — a decimal that stops can be written over a power of ten

