

Rational or Irrational?

1. Identify which of the following are rational: $\frac{6}{8}$, $-\sqrt{77}$, 592, $-\frac{4}{5}$

2. Write three more rational numbers.

3. What is a rational number?

4. Identify which of the following are irrational: .10010001 . . . , $\sqrt{64}$, $\sqrt{\frac{2}{5}}$, $\sqrt{1.6}$, -2009, 3π

5. Write three more irrational numbers.

6. What is an irrational number?

7. If the area of a rectangle (in square inches) is a rational number, which is true about the perimeter of the rectangle?

- a. The perimeter must be rational.
- b. The perimeter must be irrational.
- c. The perimeter could be rational or irrational.
- d. The perimeter is neither rational nor irrational.