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.

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