

Properties of Rational & Irrational Numbers

Unit 1: Extending the Number System

1. When you add a rational number to a rational number, what would the result be? Explain.
2. When you add an irrational number to a rational number, what would the result be? Explain.
3. When you add an irrational number to an irrational number, what would the result be? Explain.
4. When you subtract a rational number from a rational number, what would the result be? Explain.
5. When you subtract an irrational number from a rational number, what would the result be? Explain.
6. When you subtract an irrational number from an irrational number, what would the result be? Explain.

7. When you multiply a rational number with a rational number, what would the result be? Explain.

8. When you multiply an irrational number with a rational number, what would the result be? Explain.

9. When you multiply an irrational number with an irrational number, what would the result be? Explain.

10. When you divide a rational number by a rational number, what would the result be? Explain.

11. When you divide an irrational number by a rational number, what would the result be? Explain.

12. When you divide an irrational number by an irrational number, what would the result be? Explain.