

Mathematics Assessment Program

College and Career Readiness

Mathematics

Short Tasks: The Real Number System 1

1. Simplify $(\sqrt{2} - \sqrt{3})^2$
2. Simplify $(3\sqrt{5} - 2\sqrt{3})(3\sqrt{5} + 2\sqrt{3})$
3. Write $2.7 \times 10^4 + 120$ in scientific notation.
4. Write the least and the greatest in this set of numbers.
 $\sqrt[5]{7}, \sqrt[3]{7}, \sqrt[4]{7}, \sqrt{7}, \sqrt[6]{7}$