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| It is expected that students can . . . | Emergent | Proficient | Master |
| Demonstrate an understanding of powers with integral bases (excluding base 0) and whole number exponents by:  • representing repeated multiplication, using powers  • using patterns to show that a power with an exponent of zero is equal to one  • solving problems involving powers. [C, CN, PS, R] |  |  |  |
| Demonstrate an understanding of operations on powers with integral bases (excluding base 0) and whole number exponents:  [C, CN, PS, R, T] [ICT: P2–3.4] |  |  |  |
| Demonstrate an understanding of rational numbers by:  • comparing and ordering rational numbers  • solving problems that involve arithmetic operations on rational numbers. [C, CN, PS, R, T, V] |  |  |  |
| Explain and apply the order of operations, including exponents, with and without technology. [PS, T] [ICT: P2–3.4] |  |  |  |
| Determine the square root of positive rational numbers that are perfect squares. [C, CN, PS, R, T] [ICT: P2–3.4] |  |  |  |
| Determine an approximate square root of positive rational numbers that are non-perfect squares. [C, CN, PS, R, T] [ICT: P2–3.4] |  |  |  |

**Develop Number Sense**