

Checklist

What you should know

By the end of this subtopic you should be able to:

- interpret $a^{\frac{1}{n}}$ as $\sqrt[n]{a}$
- use $a^{\frac{m}{n}} = (a^m)^{\frac{1}{n}} = \left(a^{\frac{1}{n}}\right)^m$ to manipulate and simplify expressions containing rational exponents
- apply exponent rules to simplify expressions with rational exponents.

