**4.1 Square Roots and Cube Roots**

Goals

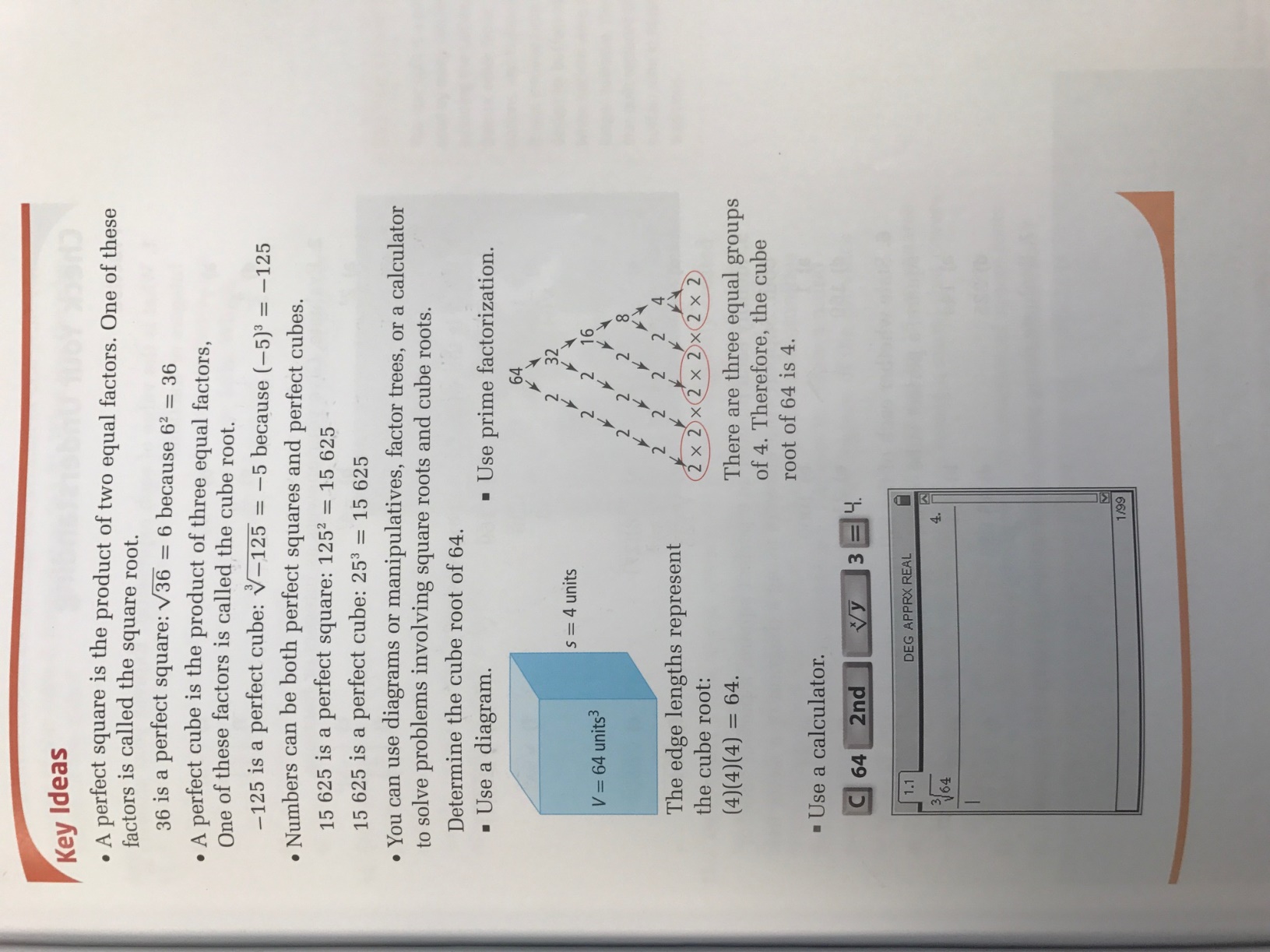
* Determining the square root of a perfect square and explaining the process
* Determining the cube root of a perfect cube and explaining the process
* Solving problems involving square roots and cube roots

Vocabulary

1. Perfect Square
2. Square root
3. Perfect Cube
4. Cube Root
5. Prime Factorization

Examples

1. State whether each of the following is a perfect square, a perfect cube, both or neither.
   1. 121
   2. 729
   3. 356
2. The uranium that Saskatchewan produces in a year has a volume of about 512 m³. If this volume were made into a single cube, what would the dimensions be



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