## Unit 8 Lesson 14 Cumulative Practice Problems

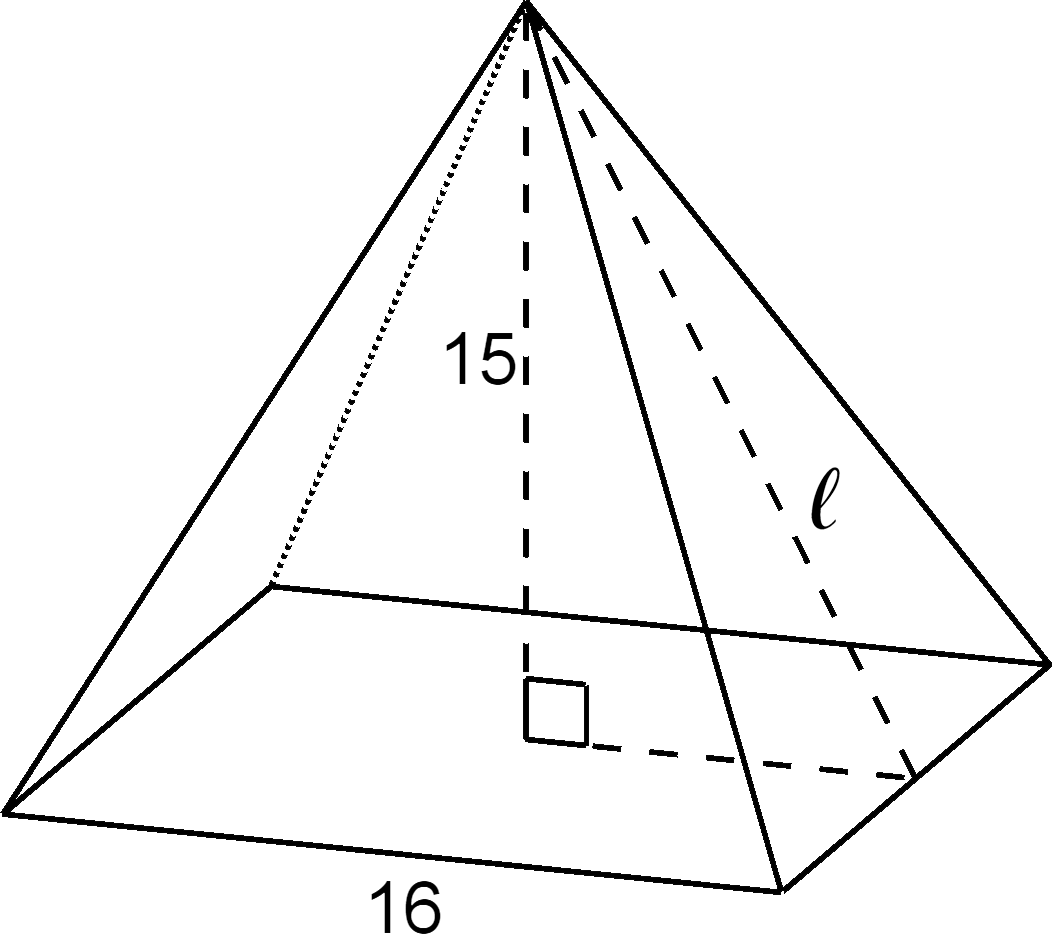
1. Andre and Jada are discussing how to write as a decimal.

* Andre says he can use long division to divide by to get the decimal.
* Jada says she can write an equivalent fraction with a denominator of by multiplying by , then writing the number of hundredths as a decimal.
  1. Do both of these strategies work?
  2. Which strategy do you prefer? Explain your reasoning.
  3. Write as a decimal. Explain or show your reasoning.

1. Write each fraction as a decimal.
2. Write each decimal as a fraction.
   1. 0.0276
   2. 10.01
3. Find the positive solution to each equation. If the solution is irrational, write the solution using square root or cube root notation.

* (From Unit 8, Lesson 13.)

1. Here is a right square pyramid.

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  1. What is the measurement of the slant height of the triangular face of the pyramid? If you get stuck, use a cross section of the pyramid.
  2. What is the surface area of the pyramid?
* (From Unit 8, Lesson 10.)



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