## Unit 8 Lesson 14 Cumulative Practice Problems

1. Andre and Jada are discussing how to write $\frac{17}{20}$ as a decimal.
* Andre says he can use long division to divide $17$ by $20$ to get the decimal.
* Jada says she can write an equivalent fraction with a denominator of $100$ by multiplying by $\frac{5}{5}$, 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 $\frac{17}{20}$ as a decimal. Explain or show your reasoning.
1. Write each fraction as a decimal.
	1. $\sqrt{\frac{9}{100}}$
	2. $\frac{99}{100}$
	3. $\sqrt{\frac{9}{16}}$
	4. $\frac{23}{10}$
2. Write each decimal as a fraction.
	1. $\sqrt{0.81}$
	2. 0.0276
	3. $\sqrt{0.04}$
	4. 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.
	1. $x^{2}=90$
	2. $p^{3}=90$
	3. $z^{2}=1$
	4. $y^{3}=1$
	5. $w^{2}=36$
	6. $h^{3}=64$
* (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 $ℓ$ 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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