

College Bound Math Problems #15
week of February 9, 2015

Answers to these questions are **on this page**
in **large** type.

February 2015				
Monday	Tu	Wednesday	Thursday	Fri
<p>9 Find a perfect square that is the sum of two different positive cubes. (The positive cubes are 1^3, 2^3, 3^3, 4^3...)</p>	<p>10</p>	<p>11 What two-digit number <u>and its square</u>, <u>and its cube</u>, <u>and its fourth power</u> are all symmetric numbers? (They're also called palindromes). That is, each of them remains the same when its digits are reversed, (for example, 2002).</p>	<p>12 In English, some numbers have an extra name. For example, 20 can be called "twenty" or "a score." (Lincoln took advantage of this in his Gettysburg speech.) What number <u>and its square</u> both have an extra name?</p>	<p>13</p>

