Think Multiplication Method of Dividing

Mental Math Strategy

***When** to use this strategy:* Use this strategy when you are dividing a "first number" by a "second number" and you can see what you need to multiply the "second number" by to get the "first number."
***How** to use this strategy:* Look at the two numbers you are dividing (a "first number" divided by a "second number"). Figure out what could multiply the second number by to get the "first number."

Examples: $\frac{4860}{2430}: 2430 \times ___ = 4860;\ \frac{4860}{2430} = 2$

$\frac{7930}{79.3}: 79.3 \times ___ = 7930;\ \frac{7930}{79.3} = 100$

$\frac{280}{35}: 35 \times ___ = 280;\ 35 \times 2 = 70; 70 \times 4 = 280; 35 \times 8 = 280; \frac{280}{35} = 8$

Use this (new) strategy on the following:	
1.) $h(x) = \frac{127}{x}$ find $h(1.27)$	2.) If we have 28 feet of ribbon and one bow uses 1.4 feet, how many bows can we make?
3.) Evaluate $\frac{a}{b}$ if $a = 26$ and $b = 1.3$	4.) Ohm's Law states $I = \frac{V}{R}$ where *I* is current in amperes, *V* is potential difference in volts, and *R* is resistance in ohms. If *V* is 488 volts and *R* is 122 ohms, what is *I* in amperes?

Use any strategy you know on the following:	
5.) Evaluate $(76\sqrt{2})(2\sqrt{2})$	6.) There 144 seniors and 129 juniors. How many more seniors are there than juniors?
7.) $g(s) = \frac{270.6}{s}$ find $g(.2706)$	8.) From 2 p.m. to 3 p.m. the temperature went up 15 degrees. If the temperature at 2 p.m. was 75 degrees, what was the temperature at 3 p.m.?