**Math 7 –Divisibility Rules – End-of-Unit Problem**

What is the smallest non-zero number divisible by the numbers 1, 2, 3, 4, 5, 6, 7, 8, 9 and 10?

Your completed solution should show the step by step process you used to solve the problem. Also explain how you know your answer is divisible by each of the ten numbers and how you know there is no smaller number that is also divisible by the ten numbers.

If the above problem is too challenging, use the strategy of first solving a simpler version of the same type of problem, such as:

* What is the smallest number divisible by the numbers 1, 2, 3, 4 and 5?
* Find any number that is divisible by 1, 2, 3, 4, 5, 6, 7, 8, 9 and 10.

Remember to refer to the problem-solving rubric in your notebook for how your work will be evaluated.