



Problem
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- a) Write the decimal equivalent to $1/17$ and $1/19$ to at least 22 places.
- b) What is the Repeat Block and the SDQ(RB) for each?
- c) What relationship, if any, do you notice between the RB and the denominator for each?
- d) What is the significance of the denominators that we have used $1/7$, $1/11$, $1/13$, $1/17$, and $1/19$?
- e) What does each have in common? Is there a pattern here?

(SDQ = single digit quality; for a review see December's problem #195 available on our website.)