

# Some exercises in Arithmetic

## A.A. 22/23

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Proposed in class

1.  $4.19\overline{8} = \frac{3779}{900}$
2.  $31.99\overline{8} = \frac{28799}{900}$
3.  $3.19\overline{8} = \frac{2879}{900}$
4.  $31.0\overline{13} = \frac{30703}{990}$
5.  $2.\overline{9} - 3.1\overline{8} = -\frac{17}{9}$

Proposed

1. Is 733763 prime? If not, factorize it.
2. Is 43237 prime? If not, factorize it.
3. Compute  $\gcd(9977, 8899)$
4.  $32.139\overline{49} = ?$