

Esercizio 1. *Compute the GCD of*

1. $(550, 140)$. [10]
2. $(980, 112)$. [28]
3. $(270, 282)$. [6]
4. $(4536, 3124)$. [4]
5. $(12351, 10555)$. [1]

Esercizio 2. *Are the following numbers prime?*

1. 127 [YES]
2. 3457 [YES]
3. 30353 [NO]

Esercizio 3. *Find the fractions associate to the decimal numbers*

1. $32.34\overline{31}$. $[\frac{320197}{9900}]$
2. $0.00\overline{314}$. $[\frac{157}{49950}]$
3. $11.88\overline{75}$. $[\frac{39229}{3300}]$
4. $0.15\overline{6}$. $[\frac{300}{300}]$

Esercizio 4. *Is it true that*

1. $5.\overline{9} = 6$. [YES]
2. $1.\overline{33} = 1.\overline{3}$. [YES]
3. $1.\overline{2333} = 1.\overline{233} = 1.2\overline{3}$. [YES]
4. $1.00\overline{1} = 1.0\overline{1}$. [FALSE]

Esercizio 5. *Compute $2.4\overline{25} - \frac{4}{5}$*