

ALPHAMETICS

Edited by STEVEN KAHAN

Please send solutions and proposals for new puzzles to
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50.1.1 Annual Alphametic by Junya Take, Kanagawa, Japan

$$III + V + VI + DCCII + MCCI = MMXVII$$

50.1.2 Doubly True - Small by Junya Take, Kanagawa, Japan

$$3 \times ONE \times ONE = THREE$$

50.1.3 Doubly True -Large by Andrzej Bartz, Fuerth, Germany

$$THOUSANDTHREE + 10(HUNDREDONE) + 33(TEN) + 211(THREE) + 24(ONE) = THREETHOUSAND$$

50.1.4 Doubly True - Italian by Giulio Cesare, Rome, Italy

$$\begin{aligned} TRE + NOVE + DODICI + TREDICI + VENTI + VENTITRE \\ + TRENTA + NOVANTA + CENTO = TRECENTO \\ (3 + 9 + 12 + 13 + 20 + 23 + 30 + 90 + 100 = 300) \end{aligned}$$

50.1.5 Homage to Pythagoras by Andrzej Bartz, Fuerth, Germany

$$(FOUR + ONE)^2 + (NINE + TWO + ONE)^2 = (NINE + FOUR)^2$$

50.1.6 International Alphametic by Frank J. Mrazik, Montreal, Quebec

$$\begin{aligned} ALBANIA + ANDORRA + ARUBA + ASCENSION + BAHRAIN \\ + BARBADOS + BARBUDA + BELARUS + BOSNIA + BRUNEI \\ + BURUNDI + CANADA + CHILE + CHINA + ECUADOR \\ + HONDURAS + ICELAND + INDONESIA + ISRAEL \\ + LEBANON + LIBERIA + LIBYA + NAURU + NIUE + RUSSIA \\ + SERBIA + SUDAN = SEYCHELLES \end{aligned}$$

(Solve in base 14)