

## ALPHAMETICS

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Please send solutions and proposals for new puzzles to  
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**49.3.1 Alphametic Advertisement by Andrzej Bartz, Fuerth, Germany**

$$(WORD) \times (WAYS) = LOGOLOGY$$

Solve this one in bases 15 and 16.

**49.3.2 A Founding Father by Frank J. Mrazik, Montreal, Canada**

$$JAMES + JAMES + \dots + JAMES = MADISON$$

where there are 29 summands on the left side of the equation.

**49.3.3 This Year by Junya Take, Kanagawa, Japan**

$$I + I + LIV + DCCX + MCCL = MMXVI$$

**49.3.4 Distinct Terms –Italian by Giulio Cesare, Rome, Italy**

$$OTTO + NOVE + DIECI + UNDICI + TREDICI + \\ VENTUNO + VENTOTTO + CENTO = DUECENTO \\ (8 + 9 + 10 + 11 + 13 + 21 + 28 + 100 = 200)$$

**49.3.5 Fair and Square Countries by Paul E. Boymel, Potomac, Maryland**

$$(INDIA)^2 = AUSTRALIA$$

**49.3.6 Multilingual by Andrzej Bartz, Fuerth, Germany**

Solve simultaneously:

$$XIII + XI + XI + IV + II + I = XLII$$

and

$$TWELVE + ELEVEN + SEVEN = (FIVE) \times (SIX)$$