

WORD WAYS, Vol. 51, Number 2, May 2018

ALPHAMETICS

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Please send solutions and proposals for new puzzles to  
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**51.2.1** **Doubly True – 1** by Andrzej Bartz, Fuerth, Germany

$$\sqrt{NINE} + \sqrt{FOUR} = SIX - ONE$$

**51.2.2** **Doubly True – 2** by Andrzej Bartz, Fuerth, Germany

$$(TWO + TWO)^2 + (SIX - ONE)^2 = (ONE)^2 + (TWO)^2 + (SIX)^2$$

**51.2.3** **Up In Smoke** by Andrzej Bartz, Fuerth, Germany

$$A \times LITTLE \times POT = IS \times SOON \times HOT$$

(Please solve in base 12.)

**51.2.4** **Worldwide Cruise – 1** by Paul Boymel, Potomac, Maryland

$$FIJI \times WALES = MALAYSIA$$

**51.2.5** **Worldwide Cruise – 2** by Paul Boymel, Potomac, Maryland

$$MALI \times OMAN = ETHIOPIA$$

**51.2.6** **A Capital Idea !** by Frank Mrazik, Montreal, Quebec

$$\begin{aligned} &THE + STATE + CAPITALS + ANNAPOLIS + CHARLESTON + CONCORD + \\ &DES + MOINES + HARTFORD + HELENA + LANSING + LINCOLN + \\ &MADISON + PIERRE + RALEIGH + RICHMOND + SACRAMENTO + \\ &SALEM + SANTA + FE + SPRINGFIELD + TRENTON = TALLAHASSEE \end{aligned}$$

(Solve this one in base 16.)

**SOLUTIONS TO ALPHAMETICS, Vol. 51, Number 2**

**51.2.1 Doubly True – 1 by Andrzej Bartz, Fuerth, Germany**

$$\sqrt{2025} + \sqrt{1369} = 407 - 325$$

**51.2.2 Doubly True – 2 by Andrzej Bartz, Fuerth, Germany**

$$(204 + 204)^2 + (136 - 459)^2 = (459)^2 + (204)^2 + (136)^2$$

**51.2.3 Up In Smoke by Andrzej Bartz, Fuerth, Germany**

$$1 \times 240023 \times A60 = 47 \times 7669 \times 860$$

**51.2.4 Worldwide Cruise – 1 by Paul Boymel, Potomac, Maryland**

$$6484 \times 10935 = 70902540$$

**51.2.5 Worldwide Cruise – 2 by Paul Boymel, Potomac, Maryland**

$$4025 \times 9406 = 37859150$$

**51.2.6 A Capital Idea ! by Frank Mrazik, Montreal, Quebec**

$$739 + 67879 + c8407816 + 8ee84f106 + c38a1967fe + cfecfab + b96 + 2f0e96 + 38a7dfab + 3919e8 + 18e60e5 + 10ecf1e + 28b06fe + 409aa9 + a819053 + a0c32feb + 68ca829e7f + 68192 + 68e78 + d9 + 64a0e5d091b + 7a9e7fe = 78118386699$$