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ALPHAMETICS

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Please send solutions and proposals for new puzzles to
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51.1.1 Distinct Summands – Dutch by Andrzej Bartz, Fuerth, Germany

VEERTIG + VEERTIEN + DERTIEN + TIEN + ZES + VIER + DRIE = NEGENTIG

( 40 + 14 + 13 + 10 + 6 + 4 + 3 = 90 )

51.1.2 Distinct Summands –Spanish by Andrzej Bartz, Fuerth, Germany

CATORCE + TRECE + DOCE + ONCE + CUATRO + TRES + DOS + UNO = SESENTA

( 14 + 13 + 12 + 11 + 4 + 3 + 2 + 1 = 60 )

51.1.3 Distinct Summands –Portuguese by Andrzej Bartz, Fuerth, Germany

OITENTA + SETENTA + DEZESEIS + ONZE + OITO + SETE + SEIS + DOIS = DUZENTOS

( 80 + 70 + 16 + 11 + 8 + 7 + 6 + 2 = 200 )

51.1.4 Ho Ho Ho by Frank Mrazik, Montreal, Quebec

HAPPY + HOLIDAYS + AND + SEASON’S = GREETINGS

( Please solve in base 16 )

51.1.5 Around The World by Paul Boymel, Potomac, Maryland

O M A N x T O G O = T A N Z A N I A

51.1.6 Small Change by Frank Mrazik, Montreal, Quebec

G I M M E + A + D I M E = D A D D Y

Make DADDY the greatest in bases 11, 12, 13, 14, 15, and 16.
51.1.1  Distinct Summands - Dutch  by Andrzej Bartz, Fuerth, Germany

\[ 6118925 + 61189217 + 4189217 + 9217 + 310 + 6218 + 4821 = 71517925 \]

51.1.2  Distinct Summands - Spanish  by Andrzej Bartz, Fuerth, Germany

\[ 5431950 + 39050 + 8150 + 1250 + 574391 + 3906 + 816 + 721 = 6060234 \]

51.1.3  Distinct Summands - Portuguese  by Andrzej Bartz, Fuerth, Germany

\[ 4791390 + 2191390 + 51612172 + 4361 + 4794 + 2191 + 2172 + 5472 = 58613942 \]

51.1.4  Ho Ho Ho  by Frank Mrazik, Montreal, Quebec

\[ \text{fc998} + \text{f4e6bc8d} + \text{c7b} + \text{d2cd47d} = 10223671d \]

51.1.5  Around The World  by Paul Boymel, Potomac, Maryland

\[ 9246 \times 5909 = 54634614 \]

51.1.6  Small Change  by Frank Mrazik, Montreal, Quebec

\[ \begin{align*}
85447 + 3 + 9547 &= 93996 \quad \text{(base 11)} \\
5988b + 4 + 698b &= 64662 \quad \text{(base 12)} \\
b755a + 6 + c75a &= c6cc0 \quad \text{(base 13)} \\
a655c + 3 + b65c &= b3bbd \quad \text{(base 14)} \\
d866c + 7 + e86c &= c7ee1 \quad \text{(base 15)} \\
c766b + 4 + d76b &= d4dda \quad \text{(base 16)}
\end{align*} \]