

Alphametics

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The first seven are addition sums; the last one is a multiplication.

$$\begin{array}{r} T U T \\ T U T \\ \hline R A T \end{array}$$

$$\begin{array}{r} N O \\ G U N \\ \hline H U N T \end{array}$$

$$\begin{array}{r} A D A M \\ A D A M \\ I ' M \\ \hline M I S S \end{array}$$

$$\begin{array}{r} T A K E \\ A \\ \hline C A K E \\ K A T E \end{array}$$

$$\begin{array}{r} A L A S \\ A \\ \hline L A M E \\ C A M E L \end{array}$$

$$\begin{array}{r} Y U M M Y \\ Y U M M Y \\ I N \\ \hline M Y \\ T U M M Y \end{array}$$

$$\begin{array}{r} F A T S O \\ E A T S \\ \hline M O S T \\ S W E E T S \end{array}$$

$$\begin{array}{r} G O \\ O N \\ \hline x x \\ \hline x x x \\ T R O T \end{array}$$

This is a multiplication

The little x's stand for unknown digits

Solutions

1. $141 + 141 + 9 = 291$
2. $87 + 908 + 87 = 1082$
3. $1813 + 1813 + 73 + 1 = 3,700$
4. $27 \times 73 = 1971$
5. $3961 + 9 + 2961 = 6931$
6. $4947 + 4 + 9438 = 14389$
7. $29,882 + 29,882 + 36 + 82 = 59,882$
8. $83,412 + 7,341 + 6,214 + 10,774 = 107,741$