



fun with NUMBERS



Subtraction the old-fashioned way, and a newer easier way ...

subtraction is easy to do ... or it should be easy ... let's take a look and build from there ...

Lesson #1:

$$\begin{array}{r} 4 \\ -3 \\ \hline 1 \end{array} \quad \begin{array}{r} 5 \\ -2 \\ \hline 3 \end{array} \quad \begin{array}{r} 6 \\ -1 \\ \hline 5 \end{array} \quad \begin{array}{r} 7 \\ -3 \\ \hline 4 \end{array} \quad \begin{array}{r} 8 \\ -5 \\ \hline 3 \end{array} \quad \begin{array}{r} 9 \\ -7 \\ \hline 2 \end{array}$$

that was easy because the numbers were small ... let's try with larger numbers.

as the numbers get larger, subtraction becomes more difficult ... but it's still possible

Lesson #2:

$$\begin{array}{r} 64 \\ -21 \\ \hline 42 \end{array} \quad \begin{array}{r} 72 \\ -60 \\ \hline 12 \end{array} \quad \begin{array}{r} 183 \\ -21 \\ \hline 162 \end{array} \quad \begin{array}{r} 2,469 \\ -756 \\ \hline 1,713 \end{array}$$

Diagram illustrating the subtraction process with arrows and equations above the digits: (6-2), (4-1), (7-6), (2-0), (18-2), (3-1), (24-7), (6-5), (9-6).

the subtractions are uncomplicated because the digits are simple ... let's make it more difficult.

Lesson #3:

$$\begin{array}{r} 5 \ 14 \\ \cancel{6}4 \\ -27 \\ \hline 32 \end{array} \quad \begin{array}{r} 7 \ 12 \ 16 \\ \cancel{8}\cancel{3}\cancel{6} \\ -269 \\ \hline 567 \end{array} \quad \begin{array}{r} 5 \ 14 \ 13 \ 13 \\ \cancel{6}, \cancel{5}, \cancel{4}, \cancel{3} \\ -4,789 \\ \hline 1,754 \end{array}$$

Diagram illustrating the subtraction process with arrows and equations above the digits: (5-2), (14-7), (7-2), (12-6), (16-9), (5-4), (14-7), (13-8), (13-9).

it certainly doesn't take long before this way of subtracting can get confusing ...

