

Warm-up

$$\begin{array}{r} 1 \\ \times 7 \\ \hline 7 \end{array}$$

$$\begin{array}{r} 6 \\ \times 0 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 3 \\ \times 9 \\ \hline 27 \end{array}$$

$$\begin{array}{r} 6 \\ \times 5 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 4 \\ \times 4 \\ \hline 16 \end{array}$$

$$\begin{array}{r} 6 \\ \times 9 \\ \hline 54 \end{array}$$

$$\begin{array}{r} 9 \\ \times 6 \\ \hline 54 \end{array}$$

$$\begin{array}{r} 2 \\ \times 9 \\ \hline 18 \end{array}$$

$$\begin{array}{r} 0 \\ \times 3 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 4 \\ \times 9 \\ \hline 36 \end{array}$$

$$\begin{array}{r} 7 \\ \times 6 \\ \hline 42 \end{array}$$

$$\begin{array}{r} 9 \\ \times 7 \\ \hline 63 \end{array}$$

$$\begin{array}{r} 8 \\ \times 8 \\ \hline 64 \end{array}$$

$$\begin{array}{r} 5 \\ \times 9 \\ \hline 45 \end{array}$$

$$\begin{array}{r} 7 \\ \times 2 \\ \hline 14 \end{array}$$

$$\begin{array}{r} 2 \\ \times 5 \\ \hline 10 \end{array}$$

$$\begin{array}{r} 8 \\ \times 5 \\ \hline 40 \end{array}$$

$$\begin{array}{r} 4 \\ \times 2 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 8 \\ \times 6 \\ \hline 48 \end{array}$$

$$\begin{array}{r} 4 \\ \times 3 \\ \hline 12 \end{array}$$

$$\begin{array}{r} 8 \\ \times 2 \\ \hline 16 \end{array}$$

$$\begin{array}{r} 6 \\ \times 2 \\ \hline 12 \end{array}$$

$$\begin{array}{r} 4 \\ \times 6 \\ \hline 24 \end{array}$$

$$\begin{array}{r} 5 \\ \times 5 \\ \hline 25 \end{array}$$

$$\begin{array}{r} 5 \\ \times 4 \\ \hline 20 \end{array}$$

$$\begin{array}{r} 4 \\ \times 7 \\ \hline 28 \end{array}$$

$$\begin{array}{r} 8 \\ \times 7 \\ \hline 56 \end{array}$$

$$\begin{array}{r} 1 \\ \times 9 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 7 \\ \times 1 \\ \hline 7 \end{array}$$

$$\begin{array}{r} 8 \\ \times 3 \\ \hline 24 \end{array}$$

$$\begin{array}{r} 1 \\ \times 0 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 8 \\ \times 1 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 2 \\ \times 7 \\ \hline 14 \end{array}$$

$$\begin{array}{r} 5 \\ \times 7 \\ \hline 35 \end{array}$$

$$\begin{array}{r} 6 \\ \times 3 \\ \hline 18 \end{array}$$

$$\begin{array}{r} 1 \\ \times 3 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 2 \\ \times 0 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 2 \\ \times 8 \\ \hline 16 \end{array}$$

$$\begin{array}{r} 4 \\ \times 8 \\ \hline 32 \end{array}$$

$$\begin{array}{r} 7 \\ \times 4 \\ \hline 28 \end{array}$$

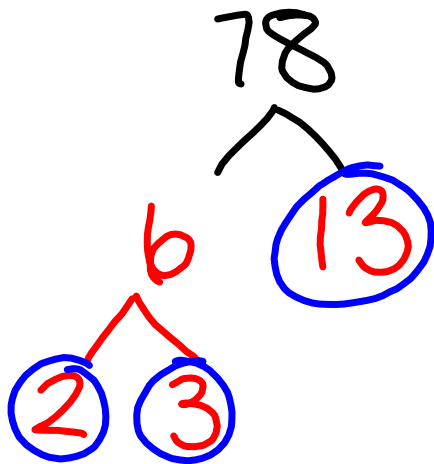
$$\begin{array}{r} 5 \\ \times 0 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 1 \\ \times 2 \\ \hline 2 \end{array}$$

1) List the first 10 multiples of 7

7, 14, 21, 28, 35, 42, 49, 56, 63,
70

2) List the prime factors of 78 (factor tree)



Prime factors of 78: 2, 3, 13



Review:

Standard form: 623 175

Expanded form: $600\ 000 + 20\ 000 + 3\ 000 + 100 + 70 + 5$

Number-word form: 6 hundred 23 thousand 175 .

Written: six hundred twenty three thousand one hundred seventy five

Try doing the expanded and number-word form for 42 054 321

Expanded	
Number-word	

$$40\ 000\ 000 + 2\ 000\ 000 + 50\ 000 + 4\ 000 + 300 + 20 + 1$$

42 million 54 thousand 3 hundred
21

Practise!

1) Write the following in **standard form**

a) $60\,000\,000\,000 + 50\,000\,000 + 1\,\underline{000}\,000 + \underline{2\,000} + 700 + 50 + 4$

b) 26 million 347 thousands 3

c) nine billion three hundred forty-two million sixty-three thousands twenty

(a) $60\,051\,002\,754$

(b) $26\,347\,003$

(c) $9\,342\,063\,020$

Place Value charts

*help you read and write large numbers

*chart is grouped into 3 place values from left to right called periods

*Within each period, the digits are read using hundreds, tens and ones

(Same as last year)

<u>Millions Period</u>			<u>Thousands Period</u>			<u>Units Period</u>		
<u>Hundreds</u>	<u>Tens</u>	<u>Ones</u>	<u>Hundreds</u>	<u>Tens</u>	<u>Ones</u>	<u>Hundreds</u>	<u>Tens</u>	<u>Ones</u>
								.

Remember we are talking about numbers....

So as numbers get bigger, we have to extend the place value chart to the left.

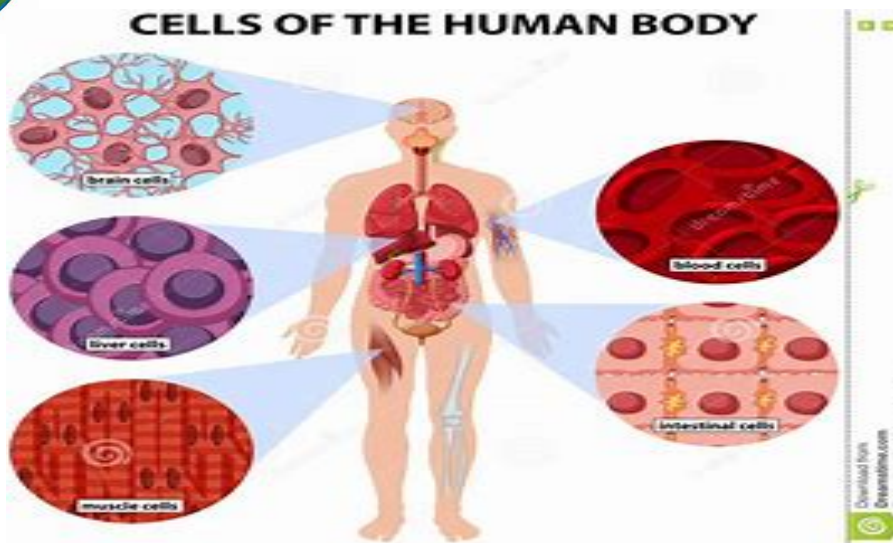


<u>Trillions</u>			<u>Billions</u>			Millions			Thousands			Units		
H	T	O	H	T	O	H	T	O	H	T	O	H	T	O

Population of Africa 1 288 675 321
NOT THE MOST POPULATED EITHER
World Population (approximate) 7 000 000 000



Trillions can be used to represent the number of cells in our body



a) Write in expanded form

a) 526 647 023

b) 45 506 420 000

$$500\,000\,000 + 20\,000\,000 + 6\,000\,000 + 60\,000 + 40\,000 + 7\,000 + 20 + 3$$

$$40\,000\,000\,000 + 50\,000\,000\,000 + 50\,000\,000 + 600\,000 + 40\,000 + 20\,000$$

#3) b) Write the number that is 10 000 less than 63 625 301 (Show work or explain how you know)

Integer questions for practice Solutions.notebook