

Counting in Hexaland

Counting in Hexaland

Hexites count by saying	To represent this many	The heximal numeral is	Decode to the decimal numeral
one	I	1	
two	II	2	
three	III	3	
four	IIII	4	
five	IIIII	5	
hex	IIIII I	10	
one-hex-one	IIIII II	11	
one-hex-two	IIIII III	12	
one-hex-three	IIIII IIII	13	
one-hex-four	IIIII IIII	14	
one-hex-five	IIIII IIIII	15	
two-hex	IIIII IIIII I	20	
two-hex-one	IIIII IIIII II	21	
two-hex-two	IIIII IIIII III	22	
two-hex-three	IIIII IIIII IIII	23	
two-hex-four	IIIII IIIII IIII	24	
two-hex-five	IIIII IIIII IIIII	25	
three-hex	IIIII IIIII IIIII I	30	
three-hex-one	IIIII IIIII IIIII II	31	
three-hex-two	IIIII IIIII IIIII III	32	
three-hex-three	IIIII IIIII IIIII IIII	33	
three-hex-four	IIIII IIIII IIIII IIII	34	
three-hex-five	IIIII IIIII IIIII IIIII	35	
four-hex	IIIII IIIII IIIII IIIII I	40	
four-hex-one	IIIII IIIII IIIII IIIII II	41	
four-hex-two	IIIII IIIII IIIII IIIII III	42	
four-hex-three	IIIII IIIII IIIII IIIII IIII	43	
four-hex-four	IIIII IIIII IIIII IIIII IIII	44	
four-hex-five	IIIII IIIII IIIII IIIII IIIII	45	
five-hex	IIIII IIIII IIIII IIIII IIIII I	50	
five-hex-one	IIIII IIIII IIIII IIIII IIIII II	51	
five-hex-two	IIIII IIIII IIIII IIIII IIIII III	52	
five-hex-three	IIIII IIIII IIIII IIIII IIIII IIII	53	
five-hex-four	IIIII IIIII IIIII IIIII IIIII IIII	54	
five-hex-five	IIIII IIIII IIIII IIIII IIIII IIIII	55	
hexaprism	IIIII IIIII IIIII IIIII IIIII IIIII I	100	

Arithmetic in Hexaland

All numbers are heximal numbers.

Adding

$$\begin{array}{r} 14 \\ +11 \\ \hline \end{array}$$

$$\begin{array}{r} 54 \\ +25 \\ \hline \end{array}$$

Subtracting

$$\begin{array}{r} 52 \\ -14 \\ \hline \end{array}$$

$$\begin{array}{r} 200 \\ -15 \\ \hline \end{array}$$

Multiplying

$$\begin{array}{r} 15 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 43 \\ \times 12 \\ \hline \end{array}$$

Division

$$3 \overline{)20}$$

$$12 \overline{)544}$$

HEXITE NUMBERS
write all numbers to 1000

HEXITE NUMBERS
write all numbers to 1000

[illegible][illegible][illegible]

write all numbers to 1000

write all numbers to 1000

[illegible]

Complete the addition table for Hexite arithmetic

A 24x24 grid with a cyan-shaded 6x6 region in the top-left corner. The columns are labeled 1 through 23, and the rows are labeled 1 through 23. The shaded region covers columns 1-6 and rows 1-6.

Complete the multiplication table for Hexite arithmetic

[illegible]