



Switch on STEM

Binary Numbers

Letter	Decimal	Binary
A	1	1
B	2	10
C	3	11
D	4	100
E	5	101
F	6	110
G	7	111
H	8	1000
I	9	1001
J	10	1010
K	11	1011
L	12	1100
M	13	1101
N	14	1110
O	15	1111
P	16	10000
Q	17	10001
R	18	10010
S	19	10011
T	20	10100
U	21	10101
V	22	10110
W	23	10111
X	24	11000
Y	25	11001
Z	26	11010

The BINARY number system is the number system used by computers. It uses digits that have two values (1 and 0) instead of the 10 values used in the DECIMAL number system. In the binary number system, a DECIMAL number such as 25 is represented using the BINARY digits 11001. If a computer wants to represent this number it will need 5 switches which it can turn ON or OFF.

What are the binary number for these decimals?

51: _____

127: _____

1023: _____

520: _____

What is the decimal corresponding to the binary number 11101?

Write your name in binary:


