_____

Std 6   Math

Write the number in the 2 place value chart

Write the base 10 number to binary

1. 99 = _____

128	64	32	16	8	4	2	1

2. 65 = _____

128	64	32	16	8	4	2	1

3. 20 = _____

128	64	32	16	8	4	2	1

4. 74 =

128	64	32	16	8	4	2	1

USe the 2 place value chart to help you solve the answer.

Write the binary number to base 10

$10101_2 =$

128	64	32	16	8	4	2	1

$11100_2 =$

128	64	32	16	8	4	2	1

$100111_2 =$

128	64	32	16	8	4	2	1

$10000011_2 =$

128	64	32	16	8	4	2	1

Student Name:_____
Date:_____

Decimal to Binary

151

151	This decimal number...	=	Equals this binary number

128	64	32	16	8	4	2	1
1	0	0	1	0	1	1	1
2^7	2^6	2^5	2^4	2^3	2^2	2^1	2^0

151
___
128   128? YES
___
23   64? NO
          32? NO
16   16? YES
___
7   8? NO
4   4? YES
___
3
2   2? YES
___
1
1   1? YES
___
0
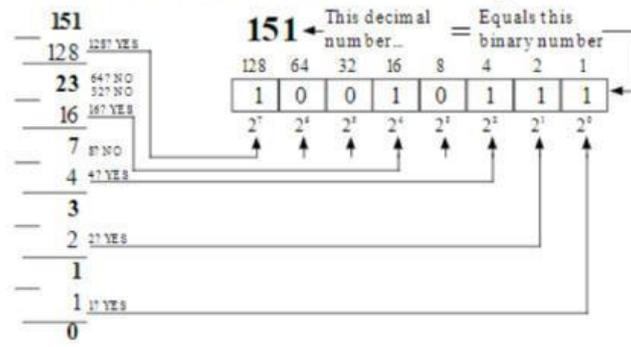
Convert each decimal number into a binary number.