Name:

Binary Numbers

1. True of false: everything inside computers has to be stored as a number?

.....

2. What numbers does binary use?

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3. What is the name for a single binary number?

.....

4. What is the name for eight binary numbers together?

.....

5. Change these numbers from binary to normal numbers

8s	4s	2s	1s	
0	1	0	1	=
1	0	0	1	=
1	1	1	1	=

6. Write these numbers as binary numbers:

		8s	4s	2s	1s
4	=				
3	=				
7	=				
12	=				

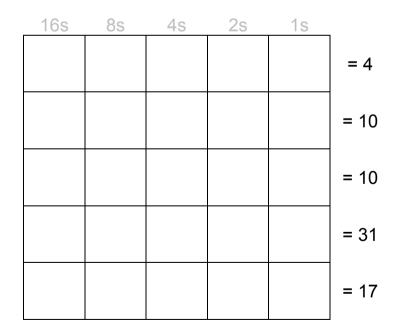
7. Everything that is stored in a computer gets turned into numbers. That includes pictures, sounds and video.

Colour the 1s in black.

Work out the value of each row.

16s	8s	4s	2s	1s	L
1	1	1	0	0	=
0	0	0	1	1	=
0	0	1	0	1	=
0	0	1	0	1	=
0	0	0	1	0	=

8. Work out what goes in each cell (1 or 0). Colour in the 1s black.



9. Find out how sound is stored inside computers.