

Binary Decoder Sheet 195

Beep & Pixel

Each row of boxes is one letter. Shaded box = 1, empty = 0. Add up the numbers above the shaded boxes.

Code: A=1, B=2 ... Z=26

Word 1

16	8	4	2	1		
1	0	1	1	1	=	_____ = _____
0	1	1	1	1	=	_____ = _____
1	0	1	1	1	=	_____ = _____

Word 2

16	8	4	2	1		
0	1	0	0	0	=	_____ = _____
0	1	1	1	1	=	_____ = _____
1	0	0	0	0	=	_____ = _____

Word 3

16	8	4	2	1		
0	0	0	0	1	=	_____ = _____
1	0	0	1	0	=	_____ = _____
0	0	0	1	1	=	_____ = _____

Word 4

16	8	4	2	1		
1	0	0	0	0	=	_____ = _____
0	0	1	0	1	=	_____ = _____
0	0	0	0	1	=	_____ = _____
0	0	0	1	1	=	_____ = _____
0	1	0	0	0	=	_____ = _____

Binary Decoder Sheet 195: Answers

Beep & Pixel

Check your answers here.

Word 1

16	8	4	2	1	
Yellow	White	Yellow	Yellow	Yellow	= 23 = W
White	Yellow	Yellow	Yellow	Yellow	= 15 = O
Yellow	White	Yellow	Yellow	Yellow	= 23 = W

Word 2

16	8	4	2	1	
White	Yellow	White	White	White	= 8 = H
White	Yellow	Yellow	Yellow	Yellow	= 15 = O
Yellow	White	White	White	White	= 16 = P

Word 3

16	8	4	2	1	
White	White	White	White	Yellow	= 1 = A
Yellow	White	White	Yellow	White	= 18 = R
White	White	White	Yellow	Yellow	= 3 = C

Word 4

16	8	4	2	1	
Yellow	White	White	White	White	= 16 = P
White	White	Yellow	White	Yellow	= 5 = E
White	White	White	White	Yellow	= 1 = A
White	White	White	Yellow	Yellow	= 3 = C
White	Yellow	White	White	White	= 8 = H