

Binary Decoder Sheet 185

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	0	1	0	=	_____ = _____
0	1	1	1	1	=	_____ = _____
0	0	0	1	0	=	_____ = _____
0	1	1	1	1	=	_____ = _____
1	0	1	0	0	=	_____ = _____

Word 2

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

Word 3

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

Binary Decoder Sheet 185: Answers

Beep & Pixel

Check your answers here.

Word 1

16	8	4	2	1	
☒	☐	☐	☒	☐	= 18 = R
☐	☒	☒	☒	☒	= 15 = O
☐	☐	☐	☒	☐	= 2 = B
☐	☒	☒	☒	☒	= 15 = O
☒	☐	☒	☐	☐	= 20 = T

Word 2

16	8	4	2	1	
☐	☐	☒	☐	☐	= 4 = D
☐	☐	☐	☐	☒	= 1 = A
☐	☒	☐	☐	☒	= 9 = I
☒	☐	☐	☒	☒	= 19 = S
☒	☒	☐	☐	☒	= 25 = Y

Word 3

16	8	4	2	1	
☐	☒	☐	☐	☐	= 8 = H
☐	☐	☐	☐	☒	= 1 = A
☒	☐	☒	☐	☐	= 20 = T