

$$2.5 = 10.1$$

Fixed Point Binary Numbers

1.

128	64	32	16	8	4	2	1	.	1/2	1/4	1/8	1/16
0	0	0	0	0	0	1	1	.	1	0	0	0

Answer =

2.

128	64	32	16	8	4	2	1	.	1/2	1/4	1/8	1/16
0	1	0	0	1	0	0	1	.	1	1	0	0

Answer =

3.

128	64	32	16	8	4	2	1	.	1/2	1/4	1/8	1/16
1	1	0	0	0	0	0	1	.	1	1	0	1

Answer =

$$2.5 = 10.1$$

4.

128	64	32	16	8	4	2	1	.	1/2	1/4	1/8	1/16
0	0	0	0	1	1	1	1	.	1	1	1	1

Answer =

5.

128	64	32	16	8	4	2	1	.	1/2	1/4	1/8	1/16
0	1	1	0	1	0	0	1	.	0	0	1	0

Answer =
