

5.

- 273

273/2	136/2	68/2	34/2	17/2	8/2	4/2	2/2	1/2
1	0	0	0	1	0	0	0	1

= 100010001₂

- 1327

1327/2	663/2	331/2	165/2	82/2	41/2	20/2	10/2	5/2	2/2	1/2
1	1	1	1	0	1	0	0	1	0	1

= 1010010111₂

- 31673

31673/2	15836/2	7918/2	3959/2	1979/2	989/2	494/2	247/2	123/2	61/2	30/2	15/2	7/2	3/2	1/2
1	0	0	1	1	1	0	1	1	1	0	1	1	1	1

= 1111011011001₂

- 107

107/2	53/2	26/2	13/2	6/2	3/2	1/2
1	1	0	1	0	1	1

= 1101011₂

6.

233 - 21

2 3 3

9 7 8

+ 1

(1) 212

1001 - 902

1 0 0 1

9 0 9 7

+ 1

(1) 0099

173 - 123

1 7 3

8 7 6

+ 1

(1) 050

2780 - 177

2 7 8 0

1 7 7 8 2 2

+ 1

(1) 2603

7.

— -111

111/2 55/2 27/2 13/2 6/2 3/2 1/2
 1 1 1 1 0 1 1

$$= 0 | 1 0 1 1 1 | - 1 = 0 | 1 0 1 1 | 0 = \boxed{1 0 0 1 0 0 0 1}$$

— -59

59/2 29/2 14/2 7/2 3/2 1/2
 1 1 0 1 1 1

$$= 0 0 | 1 1 0 1 1 | - 1 = 0 0 | 1 1 0 1 0 | = \boxed{1 1 0 0 0 1 0 1}$$

— -105

105/2 52/2 26/2 13/2 6/2 3/2 1/2
 1 0 0 1 0 1 1

$$= 1 | 1 0 1 0 0 | - 1 = 0 | 1 0 1 0 0 0 | = \boxed{1 0 0 1 0 1 1 1}$$

— 31

31/2 15/2 7/2 3/2 1/2
 1 1 1 1 1

$$= 1 1 | 1 1 1 | = \boxed{0 0 0 1 1 1 1 1}$$

— 127

127/2 63/2 31/2 15/2 7/2 3/2 1/2
 1 1 1 1 1 1 1

$$= 1 1 | 1 1 1 1 1 | = \boxed{0 1 1 1 1 1 1 1}$$