**Aluno:** Bruno Camargo Manso

1. **Converter para base 10:**

**n₂\*b⁰ + n₁\*b¹ + n₀\*b³**

1. 328

2\*8⁰ + 3\*8¹ = 2 + 24 = **26**

1. 438

3\*8⁰ + 4\*8¹ = 3 + 32 = **35**

1. BA16

10\*16⁰ + 11\*16¹ = 10 + 176 = **186**

1. A316

3\*16⁰ + 10\*16¹ = 3 + 160 = **163**

1. 52B16

11\*16⁰ + 2\*16¹ + 5\*16² = 11 + 32 + (5\*256) = **1323**

1. 12816

8\*16⁰ + 2\*16¹ + 1\*16² = 8 + 32 + 256 = **296**

1. 10100102

0\*2⁰ + 1\*2¹ + 0\*2² + 0\*2³ + 1\*2⁴ + 0\*2⁵ + 1\*2⁶ = 0 + 2 + 0 + 0 + 16 + 0 + 64 = **82**

**2. Converter para base 2:**

1. 57410

574 | 2

574 287 | 2

0 286 143 | 2

1 142 71 | 2 Resposta: **1000111110₂**

1 70 35 | 2

1 34 17 | 2

1 16 8 | 2

1 8 4 | 2

0 2 2 | 2

0 2 1

0

1. 98710

987 |2

986 493 |2

1 492 246 |2

1 246 123 |2 Resposta: **1111011011₂**

0 122 61 |2

1 60 30 |2

1 30 15 |2

0 14 7 |2

1 6 3 |2

1 2 1 1

1. 6410

64 |2

64 32 |2

0 32 16 |2 Resposta: **1000000₂**

0 16 8 |2

0 8 4 |2

0 4 2 |2

0 2 1

0

1. 45310

453 |2

452 226 |2

1 226 113 |2 Resposta: **111000101₂**

0 112 56 |2

1 56 28 |2

0 28 14 |2

0 14 7 |2

0 6 3 |2

1 2 1

1

1. 102410

1024 |2

1024 512 |2

0 512 256 |2 Resposta: **10000000000₂**

0 256 128 |2

0 128 64 |2

0 64 32 |2

0 32 16 |2

0 16 8 |2

0 8 4 |2

0 4 2 |2

0 2 1

0

**3. Converter para base 8:**

1. 95210

952 |8

952 119 |8

0 112 14 |8 Resposta: **1670₈**

7 08 1

6

1. 15210

152 |8

152 19 |8 Resposta: **230₈**

0 16 2

3

1. 6410

64 |8

64 8 |8 Resposta: **100₈**

0 8 1

0

1. 56710

567 |8

552 69 |8

5 64 8 |8 Resposta: **1055₈**

5 8 1

0

1. 102410

1024 |8

1024 128 |8 Resposta: **2000₈**

0 128 16 |8

0 16 2

0

**4. Converter para base 16:**

1. 7410

74 |16 Resposta: **4A₁₆**

64 4

10

1. 65710

657 |16

656 41 |16 Resposta: **291₁₆**

1 32 2

9

1. 6410

64 |16 Resposta: **40₁₆**

64 4

0

1. 50310

503 |16

496 31 |16 Resposta: **1F7₁₆**

7 16 1

15

1. 154410

1544 |16

1536 96 |16 Resposta: **608₁₆**

8 96 6

0