

**Adunare:**

1.  $1110011100_{(2)} + 1101111011_{(2)} = ?_{(2)}$
2.  $23045_{(6)} + 100254_{(6)} = ?_{(6)}$
3.  $54AB6F_{(16)} + CD097D_{(16)} = ?_{(16)}$
4.  $2122012_{(3)} + 10112222_{(3)} = ?_{(3)}$
5.  $3220013_{(4)} + 22303231_{(4)} = ?_{(4)}$
6.  $3401323_{(5)} + 444033_{(5)} = ?_{(5)}$
7.  $6543210_{(7)} + 664455_{(7)} = ?_{(7)}$
8.  $5677034_{(8)} + 1234567_{(8)} = ?_{(8)}$
9.  $ABCDE_{(16)} + D9037F_{(16)} = ?_{(16)}$
10.  $1100101011_{(2)} + 11101101_{(2)} = ?_{(2)}$

**Scadere:**

11.  $1000110001_{(2)} - 1110111011_{(2)} = ?_{(2)}$
12.  $102387_{(9)} - 64502_{(9)} = ?_{(9)}$
13.  $501BA_{(16)} - 32ED_{(16)} = ?_{(16)}$
14.  $130046_{(8)} - 71257_{(8)} = ?_{(8)}$
15.  $210354_{(7)} - 55466_{(7)} = ?_{(7)}$
16.  $210354_{(6)} - 44355_{(6)} = ?_{(6)}$
17.  $102003_{(5)} - 3333_{(5)} = ?_{(5)}$
18.  $102003_{(4)} - 3333_{(4)} = ?_{(4)}$
19.  $100111000_{(2)} - 1100111_{(2)} = ?_{(2)}$
20.  $10B009_{(16)} - A5FCD_{(16)} = ?_{(16)}$

**Inmulțire cu o cifră:**

21.  $7023_{(8)} * 5_{(8)} = ?_{(8)}$
22.  $32001B_{(16)} * 6_{(16)} = ?_{(16)}$
23.  $12345_{(7)} * 5_{(7)} = ?_{(7)}$
24.  $12345_{(6)} * 5_{(6)} = ?_{(6)}$
25.  $31203_{(5)} * 3_{(5)} = ?_{(5)}$
26.  $31203_{(4)} * 3_{(4)} = ?_{(4)}$
27.  $21563_{(8)} * 7_{(8)} = ?_{(8)}$
28.  $A23F4_{(16)} * B_{(16)} = ?_{(16)}$

**Impartire la o cifra**

29.  $20101_{(3)} : 2_{(3)} = ?_{(3)}$
30.  $1FED0205_{(16)} : 9_{(16)} = ?_{(16)}$

31.  $120456_{(8)} : 6_{(8)} = ?_{(8)}$
32.  $120456_{(7)} : 6_{(7)} = ?_{(7)}$
33.  $321023_{(5)} : 3_{(5)} = ?_{(5)}$
34.  $321023_{(4)} : 3_{(4)} = ?_{(4)}$
35.  $2A0F86_{(16)} : E_{(16)} = ?_{(16)}$
36.  $765433_{(8)} : 4_{(8)} = ?_{(8)}$

## Răspunsuri:

### Adunare:

- R1:  $1111010100\ 1010100_{(2)}$   
 R2:  $123343_{(6)}$   
 R3:  $121B4EC_{(16)}$   
 R4:  $20012011_{(3)}$   
 R5:  $32123310_{(4)}$   
 R6:  $4400411_{(5)}$   
 R7:  $10540665_{(7)}$   
 R8:  $7133623_{(8)}$   
 R9:  $E3C05D_{(16)}$   
 R10:  $1000001100\ 0_{(2)}$

### Scadere:

- R11:  $10100111_{(2)}$   
 R12:  $26785_{(9)}$   
 R13:  $4CECD_{(16)}$   
 R14:  $36567_{(8)}$   
 R15:  $121555_{(7)}$   
 R16:  $121555_{(6)}$   
 R17:  $43120_{(5)}$   
 R18:  $32010_{(4)}$   
 R19:  $11010001_{(2)}$   
 R20:  $6503C_{(16)}$

### Inmulțire cu o cifră:

- R21:  $43137_{(8)}$   
 R22:  $12C00A2_{(16)}$

R23:  $65424_{(7)}$

R24:  $111101_{(6)}$

R25:  $144114_{(5)}$

R26:  $220221_{(4)}$

R27:  $174045_{(8)}$

R28:  $6F8B7C_{(16)}$

**Impartire la o cifra**

R29:  $10012_{(3)} \text{ rest } 0_{(3)}$

R30:  $38C1CAB_{(16)} \text{ rest } 2_{(16)}$

R31:  $15335_{(8)} \text{ rest } 0_{(8)}$

R32:  $13421_{(8)} \text{ rest } 0_{(8)}$

R33:  $103322_{(5)} \text{ rest } 2_{(5)}$

R34:  $103003_{(4)} \text{ rest } 2_{(4)}$

R35:  $3011B_{(16)} \text{ rest } C_{(16)}$

R36:  $175306_{(8)} \text{ rest } 3_{(8)}$