Convert the following numbers using an appropriate method:

1. $10000001101100,11100111_{(2)} = ?_{(8)}$
2. $1111001000\ 0001001010\ ,1101111001\ 011_{(2)} = ?_{(16)}$
3. $11024,7501_{(8)} = ?_{(2)}$
4. $BC13F,57032_{(16)} = ?_{(2)}$
5. $1230,321_{(4)} = ?_{(8)}$
6. $AB650,1FE_{(16)} = ?_{(8)}$
7. $1C3D,7A8_{(8)} = ?_{(4)}$
8. $63401,527_{(8)} = ?_{(16)}$
9. $3842,16_{(10)} = ?_{(5)}$
10. $10379,25_{(10)} = ?_{(7)}$
11. $2653,14_{(10)} = ?_{(6)}$
12. $222,22_{(10)} = ?_{(2)}$
13. $3210,23_{(4)} = ?_{(10)}$
14. $3041,23_{(5)} = ?_{(10)}$
15. $1735,62_{(8)} = ?_{(10)}$
16. $10111010011,101_{(2)} = ?_{(10)}$
17. $2122,12_{(3)} = ?_{(5)}$
18. $1043,21_{(5)} = ?_{(7)}$
19. $2013,13_{(4)} = ?_{(6)}$
20. $1054,32_{(6)} = ?_{(16)}$
21. $1467,32_{(8)} = ?_{(5)}$
22. $2510,43_{(7)} = ?_{(3)}$
23. $7048,56_{(9)} = ?_{(4)}$
24. $BC0D,A2_{(16)} = ?_{(6)}$

Results:

For 1-8 rapid conversions are applied:

1. $20154,716_{(8)}$
2. $F204A,DE58_{(16)}$
3. $1001000010\ 100,1111010000\ 01_{(2)}$
4. $101111000\ 00100111111,0101011100\ 000011001_{(2)}$
5. $154,71_{(8)}$
6. $2533120,0776_{(8)}$
7. $1300331,13222_{(4)}$
8. $6701,CB8_{(16)}$

For 9-12 the method of successive divisions/multiplications is applied,
calculus in the source base: 10.

9. $110332,04_{(5)}$
10. $42155,(10)_{(7)}$
11. $20141,05_{(6)}$
12. $11011110,0011_{(2)}$

For 13-16 the substitution method is applied, calculus in the destination base: 10.

13. $228{,}6875$
14. $396{,}52$
15. $989{,}78125$
16. $1491{,}625$

For 17-20 the substitution method is applied, calculus in the destination base.

17. $241{,}23_{(5)}$
18. $301{,}26_{(7)}$
19. $343{,}234_{(6)}$
20. $FA{,}6E_{(16)}$

For 21-24 the method of successive divisions/multiplications is applied, calculus in the source base.

21. $11243{,}2003_{(5)}$
22. $1021202{,}122_{(3)}$
23. $1100123{,}22_{(4)}$
24. $1010455{,}14_{(6)}$