

Convert following to the corresponding base

Show work on a separate sheet.

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|--|--|------|--|------|
| 1. 2345_8 | $\begin{array}{c} 4 \quad 14 \quad 5 \\ 4 \quad E \quad 5 \end{array}$ | 16 | $\begin{array}{c} 2 \quad 3 \quad 4 \quad 5 \\ 10 \quad 011100101 \end{array}$ | 2 |
| 2. 11101101_2 | 355 | 8 | ED | 16 |
| 3. 10011_8 | 100000001001 | 2 | 1009 | 16 |
| 4. $123A_{16}$ | 1001000111010 | 2 | 11072 | 8 |
| 5. 175_8 | 111101 | 2 | $7D$ | 16 |
| 6. FF_{16} | 377 | 8 | FF | 16 |
| 7. $9A7_{16}$ | 100110100111 | 2 | 4647 | 8 |
| 8. $F0D_{16}$ | 7415 | 8 | 111100001101 | 2 |
| 9. 3478_8 | Doesn't exist | 2 | | 16 |
| 10. 2048_8 | Doesn't exist | 16 | | 2 |
| 11. 3745_8 | 1111100101 | 2 | $7E5$ | 16 |
| 12. 4098_8 | Doesn't exist | 16 | | 2 |
| 13. 512_8 | 101001010 | 2 | $14A$ | 16 |
| 14. 234_{16} | 1000110100 | 2 | 1064 | 8 |
| 15. 101111101_2 | $17D$ | 16 | 575 | 8 |
| 16. $\begin{array}{c} 0 \quad 14 \\ 12 \quad 13 \end{array} CODE_{16}$ | 1100000011011110 | 2 | 140336 | 8 |
| 17. 722_8 | 111010010 | 2 | $1D2$ | 16 |
| 18. 222_{16} | 1042 | 8 | 1000100010 | 2 |
| 19. 1111_{16} | 1000100010001 | 2 | 10421 | 8 |
| 20. $\begin{array}{c} 2 \quad A \quad A \\ 1010101010_2 \end{array}$ | 1252 | 8 | $2AA$ | 16 |