

Historical Numeration Systems

Contemporary Math (MAT-130)





Convert each Egyptian numeral to Hindu-Arabic form.

1. 
2. 
3. 

Convert each Hindu-Arabic numeral to Egyptian form.

4. 231
5. 2304
6. 36,147
7. 204,060

Convert each Chinese numeral to Hindu-Arabic form.

- | | | | |
|----|---|-----|--|
| 8. |  | 10. |  |
| 9. |  | 11. |  |

Convert each Hindu-Arabic numeral to Chinese

12. 607
13. 3082
14. 321


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Solutions:

1. 245
2. 41063
3. 1200409

4. 


5. 

6. 


7. 

8. 3497
9. 5086
10. 4007
11. 5110

12. 

14. 

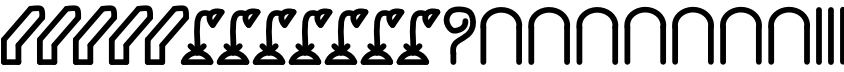
13. 

15. 

16. 

17. 

18. 

19. 

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20. $\left. \begin{array}{l} 1 \\ 2 \\ 4 \\ 8 \\ 16 \\ 32 \end{array} \right\} \begin{array}{l} 63 \\ 126 \\ 252 \\ 504 \\ 1008 \\ 2016 \end{array}$ $2016 + 504 + 252 + 63 = \boxed{2835}$

21. $\left. \begin{array}{l} 1 \\ 2 \\ 4 \\ 8 \\ 16 \end{array} \right\} \begin{array}{l} 98 \\ 196 \\ 392 \\ 784 \\ 1568 \end{array}$ $1568 + 784 + 196 + 98 = \boxed{2646}$

22. $\left. \begin{array}{l} 1 \\ 2 \\ 4 \\ 8 \\ 16 \end{array} \right\} \begin{array}{l} 200 \\ 400 \\ 800 \\ 1600 \\ 3200 \end{array}$ $3200 + 400 + 200 = \boxed{3800}$

23. $\left. \begin{array}{l} 1 \\ 2 \\ 4 \\ 8 \\ 16 \\ 32 \end{array} \right\} \begin{array}{l} 123 \\ 246 \\ 492 \\ 984 \\ 1968 \\ 3936 \end{array}$ $3936 + 492 = \boxed{4428}$