

Abacus

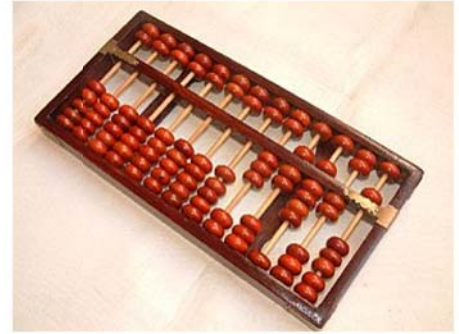
Chi-Kwong Li
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Williamsburg, Virginia, USA

- History of the Chinese Abacus.

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- Introduction and Demonstration of Basic Techniques.

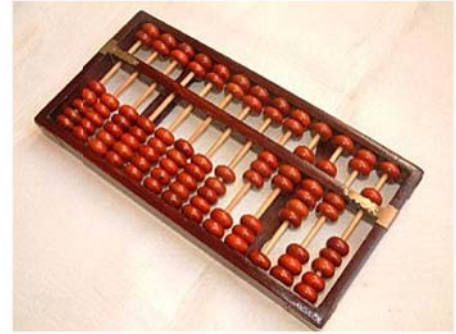
- History of the Chinese Abacus.
- Introduction and Demonstration of Basic Techniques.
- Implications to learning and teaching of elementary mathematics.

History of the Chinese Abacus



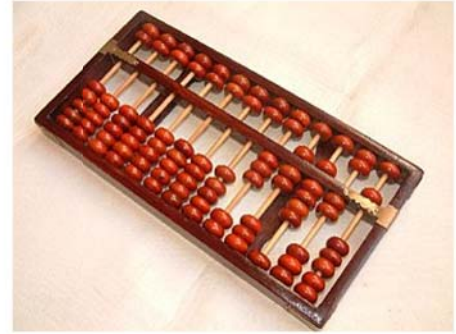
History of the Chinese Abacus

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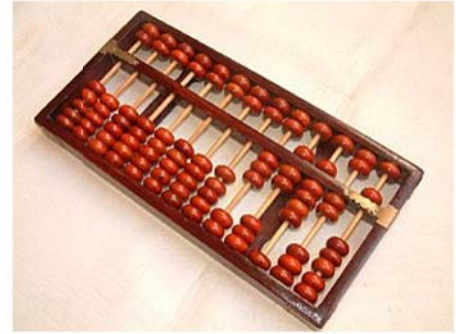
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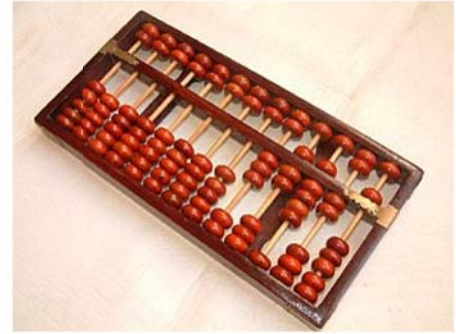
History of the Chinese Abacus

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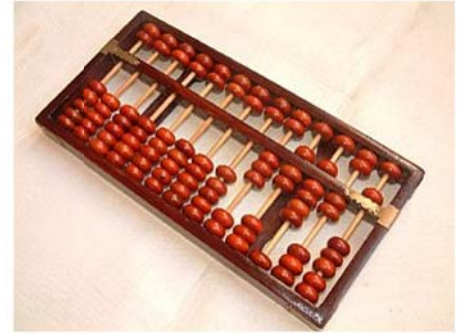
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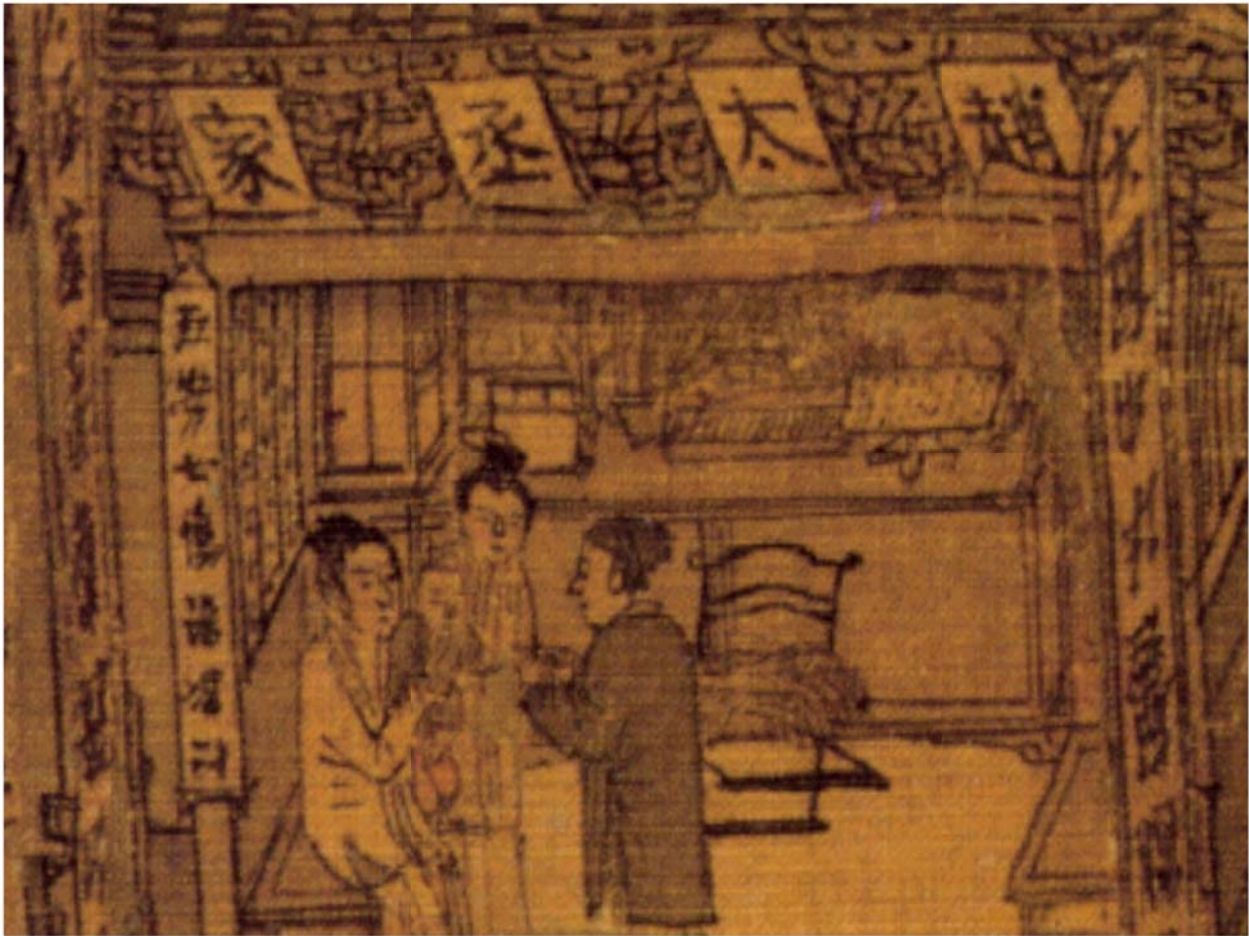
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- In the famous long scroll Along the River During the Qingming Festival painted by Zhang Zeduan (1085-1145 AD) during the Song Dynasty (960-1297 AD), an abacus (suanpan) is clearly seen.





- **Demonstration.**

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- **Discussion.**

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- **References:**

<https://en.wikipedia.org/wiki/Abacus#History>

<https://www.abacus-maths.com/Abacus%20Maths/Abacus%20History/chinese-abacus>

https://en.wikipedia.org/wiki/Qingming_Festival

<http://www.alcula.com/suanpan.php>

<https://scienceblogs.com/goodmath/2006/10/02/square-root-on-the-abacus>

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The end!