Chinese Rod Numerals

- History
  - Goes back to Qin and Han dynasty, probably invented earlier
  - Rods originally made of ivory or bamboo
  - During Han dynasty—rods were round bamboo sticks about 2.5 mm in diameter and 140 mm long
  - By 6th Century AD, became shorter and rectangular
  - Counting rods also made from wood, cast iron, jade, or ivory
  - Rods also used in Korea and Japan

- Black rods (fu) = negative numbers
- Red rods (zheng) = positive numbers
- Two types of rods:
  - Zongs - units, hundreds, ten thousands, etc
  - Hengs - tens, thousands, hundred thousands, etc

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Writing numbers:

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3 & 6 & 1 & 4 & = 3614
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Write out 295, 6782, 97354 using Chinese Rod Numerals.

Addition: 8 + 7 = 15
Subtraction: 12 - 6 = 6

Write out 43+26=

456-15=

627+244=

Multiplication:

Division:

Solve 46*37=

Solve 120204/126=