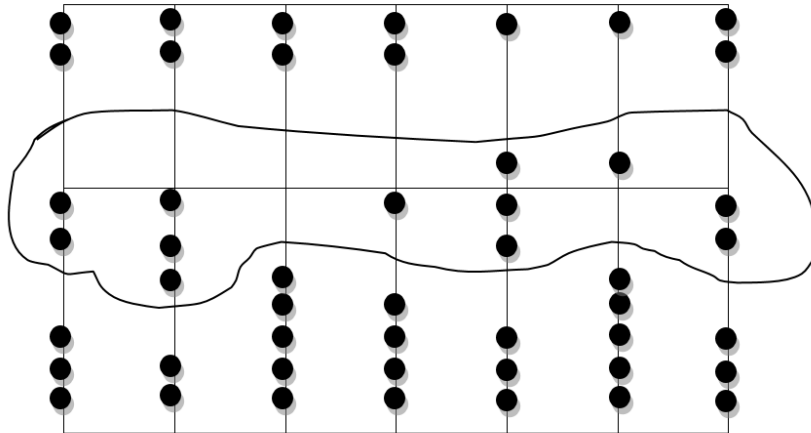


Section 1.1 Homework

1. For each of the following, write **two or more paragraphs** to hand in. You may share these in your group next class, but you do not have to.
 - b. Write about a bad experience you had with mathematics in or out of the classroom. What happened? How did you feel?
 - c. Write about a good experience you had with mathematics, in or out of the classroom. What happened? How did you feel?

OR, instead of a and b,

- d. Name one of the math myths that you have had personal experience with. Write a few paragraphs about your experience.
2. If a child in the preoperational stage was given a choice between one whole cookie or two half cookies, which would they choose? Why? **Hint: see the video at the end of section 1.1.**
3. Convert the following into the Traditional Chinese system. *Check your answers to a and c in the answers.*
 - a. 412 b. 7,803 c. 9,230 d. 52,040
4. Convert the following into the Egyptian system. *Check your answers to a and c in the answers.*
 - a. 412 b. 400,000 c. 13,201 d. 15,003
5. What number is depicted on the abacus, below?



Hint: the beads pushed to the middle bar (circled) form the number. On the top, each bead is worth 5, on the bottom each is worth 1.

6. Show each of the following numbers on its own abacus:
 - a. 5,174 b. 18,309

Check your answers on the online abacus in the text.

7. The Roman Number system used a line for 1, similar to the Egyptians. For ten, they wrote X. To write the number 32, they would write XXXII. What type of system was it, additive, multiplicative, or place value? Explain how you know.