

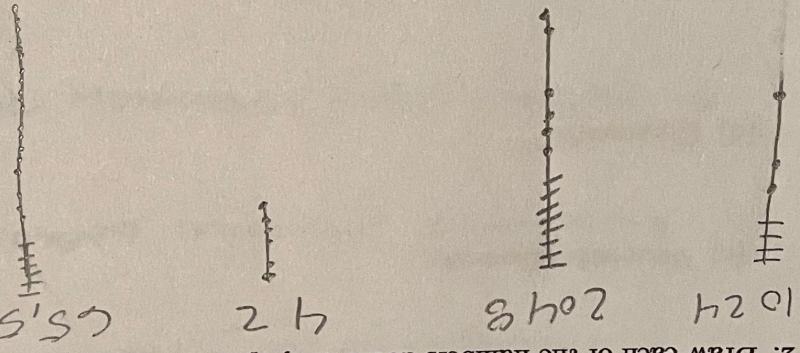
How many are there in total? Write the calculation in the Quipu notation.

1. Suppose you are an Incan citizen who speaks Quechua, bringing a herd of guanaco to the state office for distribution. You are adding thirteen guanaco to the office stables, and there are already twenty-five the distribution.

### 3 Accounting Problems

17	19	23
7	11	13
2	3	5

3. Draw the following table of numbers as a Quipu knot diagram, as discussed in the first and second videos.



2. Draw each of the numbers above as Quipu knot diagrams, as shown in the first video.

- $65,536 = 6 \times 10^4 + 5 \times 10^3 + 5 \times 10^2 + 3 \times 10^1 + 6 \times 10^0$
- $42 = 4 \times 10^1 + 2 \times 10^0$
- $2048 = 2 \times 10^3 + 0 \times 10^2 + 4 \times 10^1 + 8 \times 10^0$
- $1024 = 1 \times 10^3 + 0 \times 10^2 + 2 \times 10^1 + 4 \times 10^0$

1. In the first video, we reviewed the base-10 number system. As a warm up, express each of these numbers in expanded form. That is, show how each number is a sum of digits times powers of 10 (the first one is done as an example).

Once you answer the questions, take a picture of your work and convert it to a PDF. Submit the PDF to the assignment link on Moodle.

### 1 How to Submit this Assignment

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INTD290: Number Systems in pre-Columbian Context