

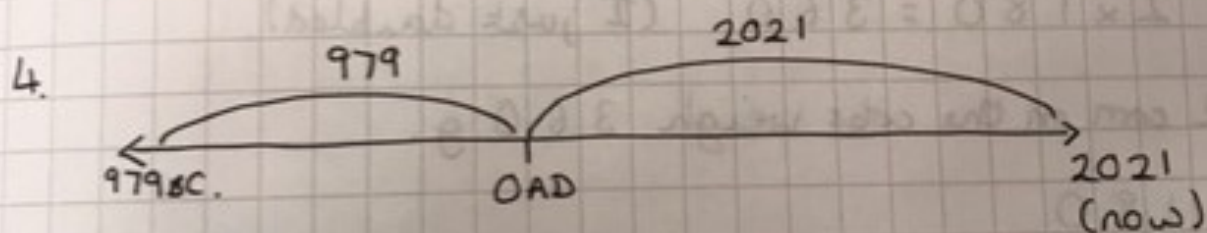
$$\begin{array}{l}
 1. \quad 1 \times 30 \\
 \quad 2 \times 15 \\
 \quad 3 \times 10 \\
 \quad 5 \times 6
 \end{array}$$

The factors of 30 are 1, 2, 3, 5, 6, 10, 15 and 30.

$$\begin{array}{r}
 2. \quad \overset{1}{2} \overset{0}{0} \overset{2}{2} \overset{1}{1} \\
 \quad - \quad \underline{800} \\
 \quad \quad \underline{1221}
 \end{array}$$

The Mayan Civilisation began to decline 1221 years ago.

3. 165 is not a prime number. If a number ends in 5, then it is in the 5 times table. 165 has at least 3 factors: 1, 5, 165 and prime numbers can only have 2 factors. This means Xbalanque is correct.



$$\begin{array}{r}
 \overset{2}{2} \overset{1}{0} \overset{9}{0} \overset{9}{0} \overset{1}{0} \\
 - \quad \underline{2021} \\
 \quad \quad \underline{0979}
 \end{array}$$

The oldest Mayan sauna was built in 979 BC.

5. There were approximately 2,000,000 living Mayans.

M	MM	MM	MM	MM	MM	MM	MM
2	0	0	0	0	0	0	0

6. a) 18×20

I used wizards hat method.

$$\begin{array}{r} \wedge \\ 18 \times 20 \end{array}$$

$$18 \times 2 = 36$$

$$18 \times 20 = 360$$

$$360 + 5 = 365$$

There are 365 days in a year in the Haab calendar.

b) This is the same as our year!

7. a) $2 \times 180 = 360$ (I just doubled).

2 corn on the cobs weigh 360 g.

$$\begin{array}{r} b) \ 180 \\ \times \quad 5 \\ \hline 900 \\ \hline \end{array}$$

5 corn on the cobs weigh 900 g.

$$\begin{array}{r} c) \ 180 \\ \times \quad 7 \\ \hline 1260 \\ \hline \end{array}$$

7 corn on the cobs weigh 1260 g.

d) $180 \times 10 = 1800$ (I just moved all the digits 1 space to the left).

10 corn on the cobs weigh 1800 g (or 1.8 kg).

8. 1 onion = 2 halves ①

4 onions = 8 halves ①①①①

If I used 4 onions, then I made 8 bowls of guacamole.