

On planet Triozon, the inhabitants, the Trioz, have got only three fingers. Therefore, their numerical system is based on three symbols:

- Our zero “0” is written: ★
- Our one “1” is written: ⊙
- Our two “2” is written: ⊗



In our numerical system, there are 10 different symbols to write down the numbers : “0”, “1”, “2”, “3”, “4”, “5”, “6”, “7”, “8”, “9”. To write down numbers bigger than “9”, we have to use two symbols. The number following nine is written like this: “10”.

On planet Triozon, It’s for numbers bigger than two that they need to use several symbols.

For example :

- 3 is written: ⊙★
- 4 is written: ⊙⊙
- 5 is written: ⊙⊗
- Then 6 is written: ⊗★



Questions :

- 1) Write down the numbers 7 then 8 in the Trioz number system.
- 2) From which number will Trioz number system use three symbols?
- 3) Write down in our numerical system the following Trioz number : ⊙⊙⊙
- 4) Write down 14, 16 and 20 in the Trioz number system.
- 5) Write down in our numerical system the following Trioz number : ⊗⊙★
- 6) From which number will Trioz numerical system use four symbols ?

