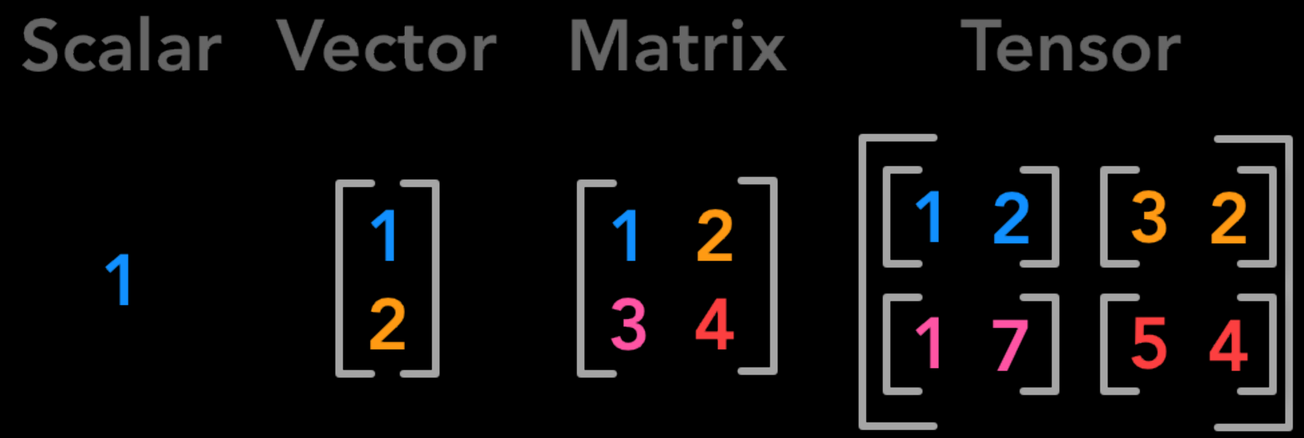
Scalar
Vector
Matrix
Tensor
1
1
2
1 2
3 4
1 2
3 2
1 7
5 4

Key attributes

- The number of axes it has, its **rank**. For instance, a 3D tensor has 3 axes, and a matrix has 2 axes.
- Its **shape**. This is a tuple of integers that describes how many dimensions the tensor has along each axis.
- Its **data type** (usually called dtype throughout Python libraries). This is the type of the data contained inside the tensor; for instance a tensor's type could be float32, uint8, float64…