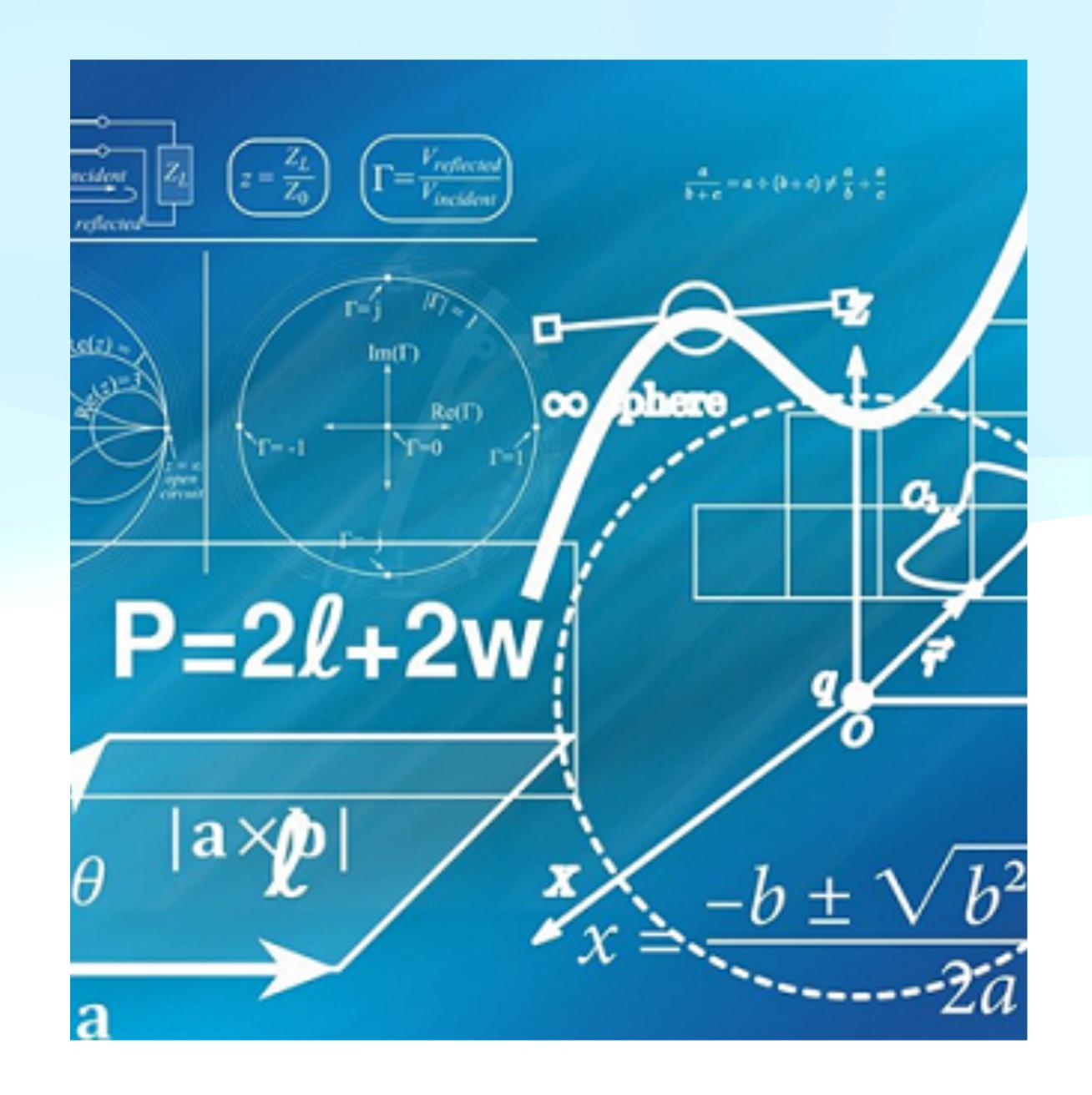
Mathematical Entities Do mathematical objects exist?

- Geometry is a branch of mathematics that studies the sizes, shapes, positions, angles, and dimensions of thing.
- Arithmetic is the branch of mathematics dealing with the properties and manipulation of numbers.



Basic dosage calculation

I.V. drips in mcg/minute

$$\frac{mg}{mL} \times \frac{1,000 \text{ mcg}}{mL} \times \frac{mL}{mL} \times \frac{1 \text{ hour}}{mL} = \frac{mcg}{minute}$$

$$(\div \text{ by kg to get mcg/kg/minute})$$

I.V. drips in units/hour

Nuclear Fission - + 1 + 235 U \rightarrow 141 Ba 92 Kr 43 In 45 Henergy

