

Representational Actions

Physical

Use concrete objects to show, study, act upon, or manipulate mathematical ideas (e.g., cubes, counters, tiles, paper strips).

Visual

Illustrate, show, or work with mathematical ideas using diagrams, pictures, number lines, graphs, and other math drawings.

Contextual

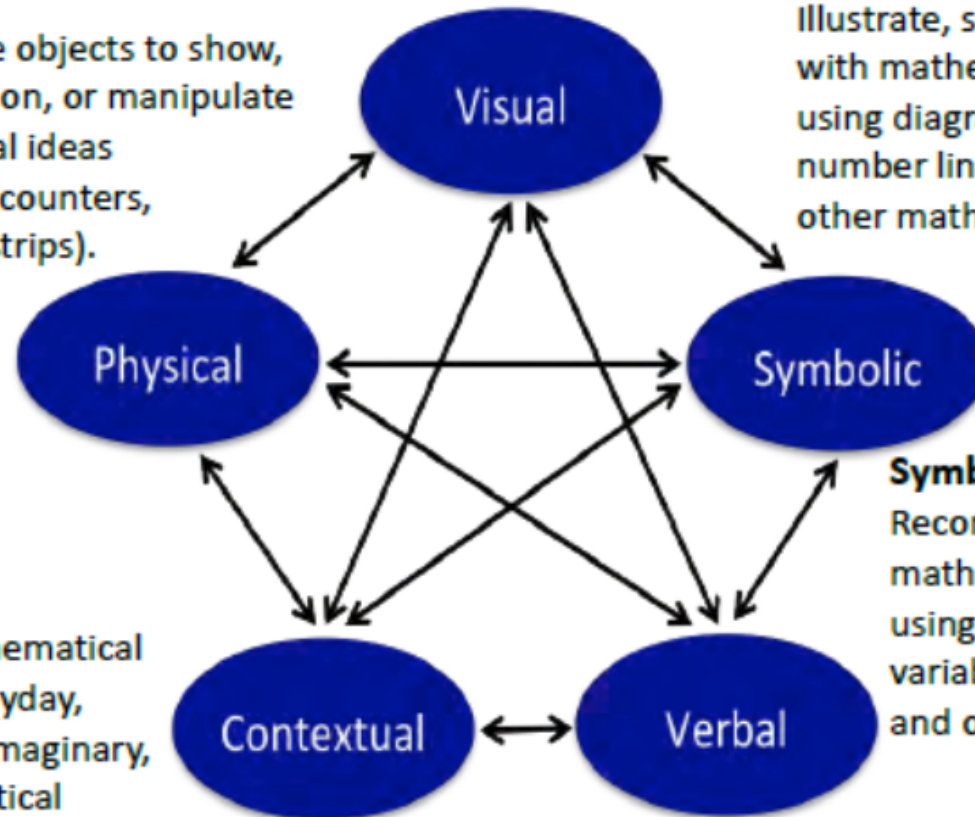
Situate mathematical ideas in everyday, real-world, imaginary, or mathematical situations and contexts.

Symbolic

Record or work with mathematical ideas using numerals, variables, tables, and other symbols.

Verbal

Use language (words and phrases) to interpret, discuss, define, or describe mathematical ideas, bridging informal and formal mathematical language.



Principles to Actions (NCTM, 2014, p. 25)
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Source: <http://www.wismath.org/resources/Pictures/Session%20136.pdf>