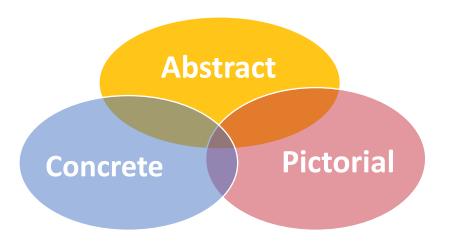
Resources in Mathematics: Using Multiple Representations with Limited Resources Readiness Individual Algebra: Teaching of Supporting

While students often develop the use of these representations in a particular order, the representations are not in a hierarchy and can be used by any students at any grade level working on any type of mathematics. If you have limited resources (e.g. no algebra tiles or geoboards), you can still use this approach!



Concrete: Three-Dimensional Objects

Get creative and use what you have, as long as it accurately represents the mathematics.





Resources in Mathematics:

Using Multiple Representations with Limited Resources

Readiness
Individual
Algebra:
Teaching of

Supporting

Concrete: Three-Dimensional Objects

Ask students to draw a representation, or use free virtual manipulative websites (see Virtual manipulatives I pager for more info)



Link to Virtual Manipulatives: https://www.didax.com/math/virtual-manipula-tives.html

Abstract: Numerals and symbols and words

Show in multiple forms to encourage flexible thinking

$$\frac{1}{2}$$
(b • h)

$$\frac{1}{2}$$
 x b x h =A

$$\frac{bh}{2}$$