



MATH Bridge Memory Aid Story Problems

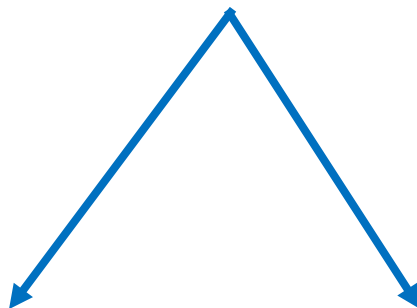


Story Problems



1. Read carefully and underline key words.
2. Observe diagram and fill in unknown measures.
3. If diagram is not given, sketch it out.
4. What do I know? What do I need to know?
5. What algebra concepts did I learn?
6. After each step, read the problem over again

If the task says.....



Find the algebraic expression

Find the numerical value



Think of your rules of Algebra

Build an equation

Story Problems



Represent the unknown

Build equation

- If using a formula, for example area or Pythagorean, always indicate the formula.

Solve equation using the method of your choice

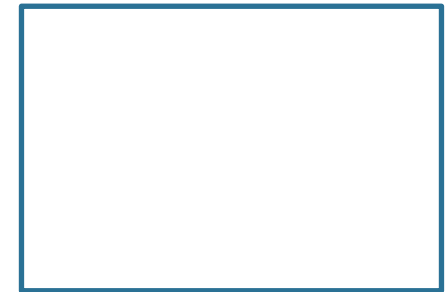
- Factoring Method (zero principle)
- Perfect square Method
- Quadratic formula (always show the formula)

Reject and explain rejection

Validate answer

Answer with a complete sentence

Draw a sketch when applicable



Story Problems



- Equivalent figures mean areas are equal if information given is about triangles, rectangles, trapezoids etc..
- Equivalent figures mean volumes are equal if information given is about solids
- When measures of 3 sides of a right triangle are given, use Pythagorean to build equation
- When the area of a triangle or a rectangle is given, use the respective formulas for area.

