

Apply

The Associative Law of Addition

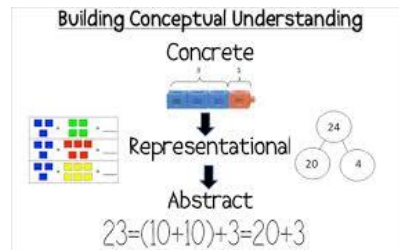
$$(a+b)+c = a+(b+c)$$

The Associative Law of Multiplication

$$(a \times b) \times c = a \times (b \times c)$$

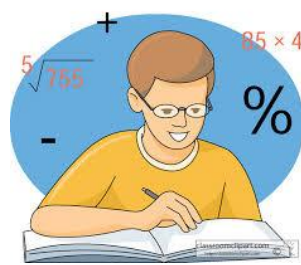
Apply a rule, formula or an algorithm

Build



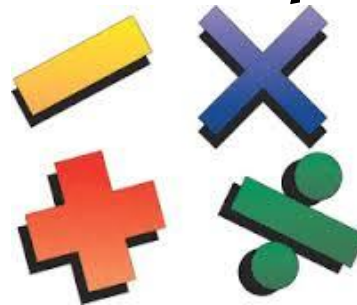
Build content/conceptual knowledge

Conduct



Conduct a close read of a math/science problem

Develop



Develop fact fluency

Explain

- 30 boxes/hr.
- ✓ a. write an equation =
 - ✓ b. make a table 5, 10, 15, 20 hours.
 - ✓ c. Graph the ordered pairs.

Explain the steps you took to solve the problem

Format



Format your problem

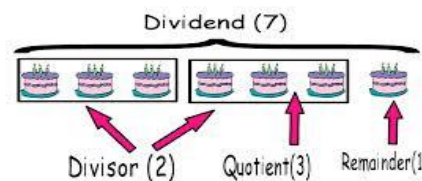
Gather & Hypothesize



Gather relevant information for & Hypothesize a possible solution

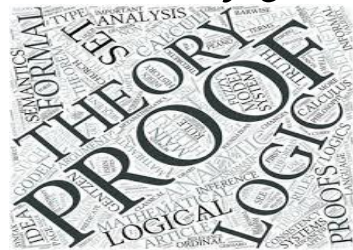
Include

$$7 \div 2 = 3 \text{ rem. } 1$$



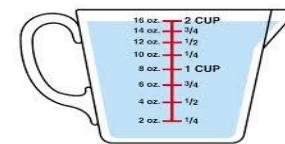
Include math/science symbols & terms in your explanation

Justify



Justify your conjectures

Know



2 cups = 1 pint

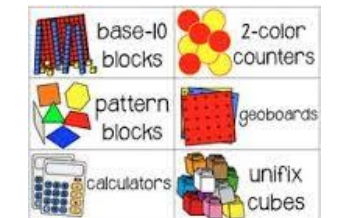
Know the rules & formulas for conversions, measurements & solving equations

Learn

Math Prefixes	
poly-	= many
tri-	= 3
quad-	= 4
penta-	= 5
hexa-	= 6
hepta-	= 7
octa-	= 8
nona-	= 9
deca-	= 10
dodeca-	= 12
Math Suffix	
-gon	= angle

Learn math affixes

Model w/Math



Use models/diagrams to represent/explain math concepts or display information

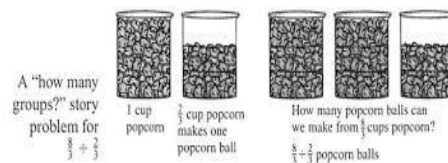
Notice

Solving a Word Problem using a system of 3 equations with 3 variables

At a store, Mary pays \$34 for 2 pounds of apples, 1 pound of berries, and 4 pounds of cherries. Tom pays \$35 for 3 pounds of apples, 2 pounds of berries, and 2 pounds of cherries. Lee pays \$49 for 5 pounds of apples, 3 pounds of berries, and 2 pounds of cherries. What is the price per pound for apples, for berries, and for cherries?

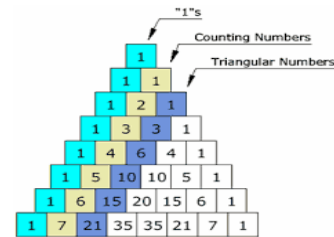
Notice key vocabulary in the problem

Organize



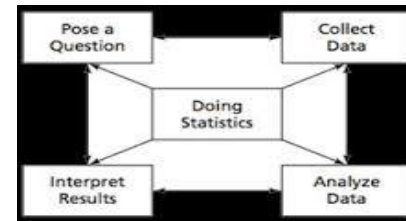
Organize your data

Predict



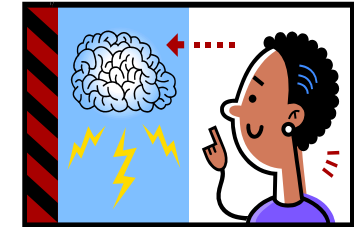
Predict math patterns

Question



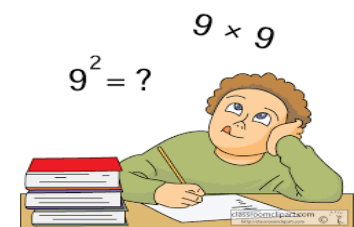
Question your information/solution or results

Retrieve



Retrieve basic facts from your long term memory

Show



Show your thinking

Think

Solve for x:

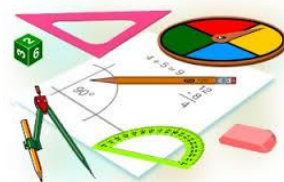
$$-5x + 4 + 2x = 16$$

$$-5x + 2x + 4 = 16$$

$$-3x + 4 = 16$$

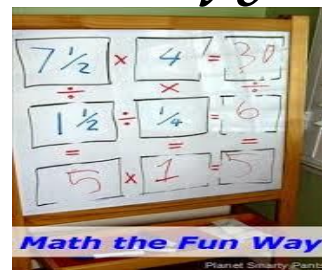
Think about how the problem is structured

Use



Use key details & tools to help you solve the problem

Verify



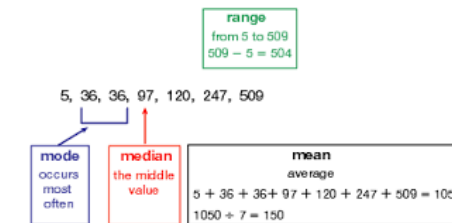
Verify your results

Work



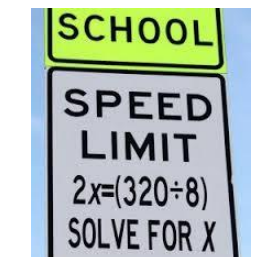
Work Backwards

eXamine & Yield



eXamine & yield to vocabulary

Zero in



Zero in on the task!