Basic Algebra 1.5

Jse a four-step plan to solve problem.

formula equation (relationship) pattern
commutative property + \times associative property
identity always T

zero product property
Substitution 2.4 2(X+3) = 2X+2-3 3X+6For much
solving st

What are some problem solving strategies?

Problem-Solving Strategies (Plan)

Look for a pattern.

Draw a dlagram.

Make a table.

Work backward.

Use an equation or formula.

Make a graph.

Guess and check.

read, bok for relationships

- 2) Plan
 What to try

 3) Solve
 Execute the plan

 4. Examine Does It make Sense.
 (in this problem)

Science Use F = 1.8C + 32 to change degrees Celsius C to degrees Fahrenheit F. Find the temperature in degrees Fahrenheit if it is 29°C.

$$F = 1.8(29) + 32$$

= $52.2 + 32$
= 84.20 F



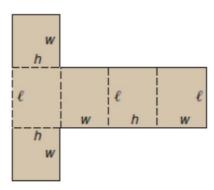
Hands-On Algebra





Step 1 Label the edges of a rectangular box ℓ , w, or h to represent the length, width, and height of the box.

Take the box apart so that it lies flat on the table with the labels face up.



How many ways can you make 25¢ using dimes, nickels, and pennies?

Getting Ready For each situation, answer the related questions.

Phoebe and Hai picked fourteen pints of raspberries in three hours. Hai picked five more pints than Phoebe.

Samples: Solutions:

How many pints were picked in all? 14

3 hours How long did Phoebe and Hai work?

Who picked more pints? Hai

If Phoebe picked x pints, how many did Hai pick? x + 5