Lesson 5 – Problem Solving

Step 1: Understand the problem
- o _read_ the problem _twice_
- o Look for _Key_ _words_
- o _hilights_ what's important & the _question_

Step 2: Think of a plan
- Decide on a method
- Draw _a diagram_
- Guess and check
- What's the _information_ you _need_ ?
- Write an equation (+, -, x, ÷) → _later with algebra_

- Draw a _table_ & organize
- Look for a _pattern_
- Use logical reasoning
- Use a _formula_   ex $A = \pi r^2$

Step 3: Carry out the plan
- o Do the calculations
- o Check _your_ _work_
- o Ask yourself: Does it make sense?

Step 4: Write a final _answer_ including units (if required)
- o ex: $, kg, kms, lbs, etc.

Example: Ms. Mullins paid $68.52 for groceries last week. How much will it cost her for groceries for half a year? How much for a full year?

$68.52 × 26
$1781.52 for a half year
× 2
$3563.04 for a year

52 weeks/year
26 weeks for half a year