

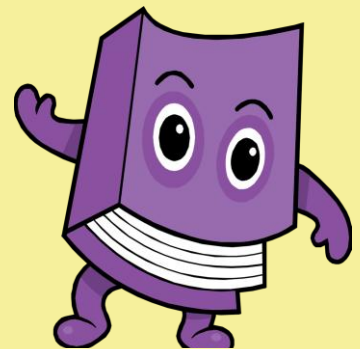
# Solving Word Problems



**It's QUESTION TIME !!**

# **1. READ the Problem:**

- Do I understand all the words?**
- Highlight the words I don't understand. Whom can I ask?**
- Are there key words that give me clues? Circle these words.**



## **2. THINK about the problem:**

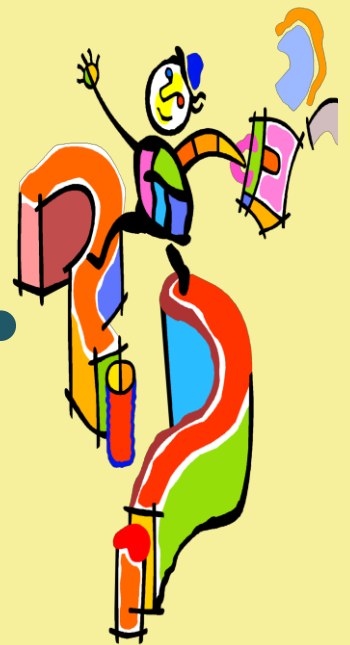
- What is the problem about?**
- What information am I given?**
- Am I missing any information?**
- Is this problem like another problem I have solved before?**



# **3. STRATEGIES**

## **to consider:**

- **Use a model.**
- **Make an organized list.**
- **Use logical reasoning.**
- **Solve a simpler problem.**
- **Draw a diagram.**
- **Guess and check.**
- **Use a pattern.**
- **Work backward.**
- **Draw a graph.**



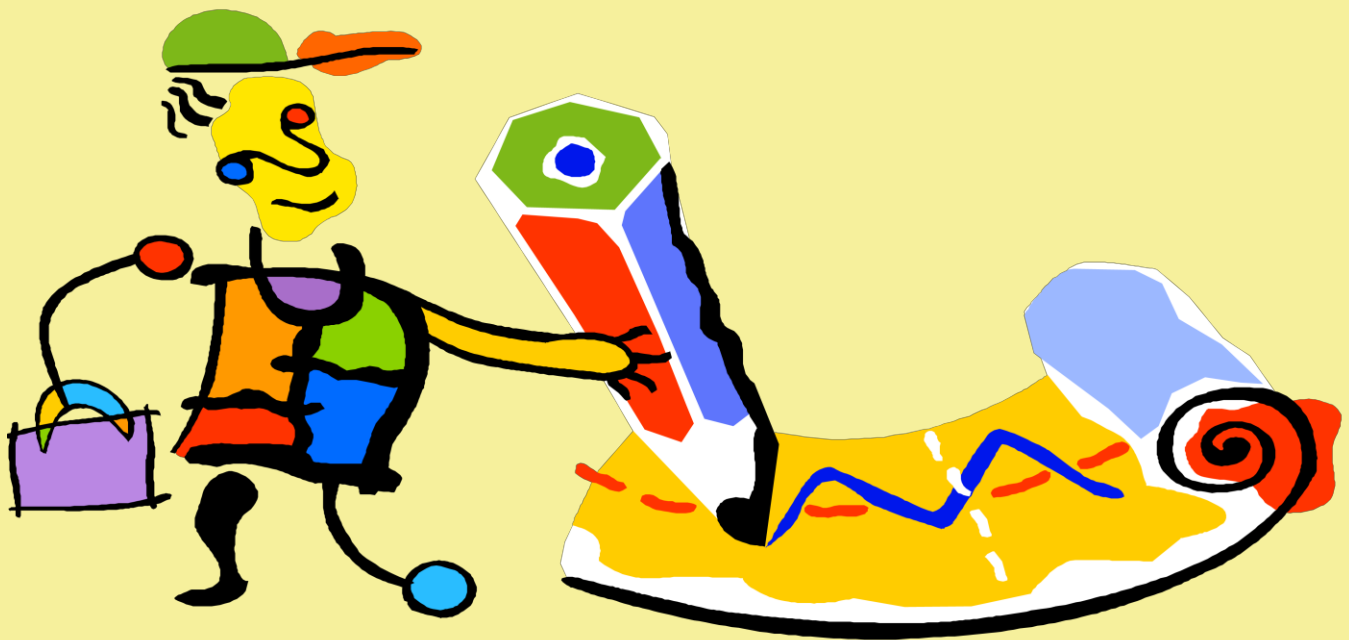
# **4. MAKE a plan:**

- **What strategy should I use?**
- **Would counters, geometric figures, other manipulatives, calculators, and so on, help?**



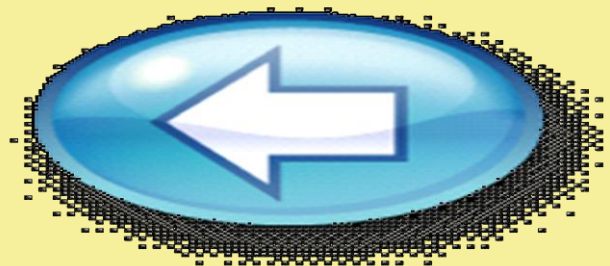
# **5. TRY out the plan:**

- Is the plan working?**
- Should I try something else?**
- Have I shown ALL my work?**



# **6. LOOK back:**

- Does my answer make sense? How can I check?**
- Is there another way to solve this problem?**
- How do I know my answer is correct?**
- Have I answered the problem?**



# **7. EXTEND the problem:**

- **Ask “What is ...?” questions.**
- **What if the numbers were different? What if there were more options?**
- **Make up similar problem of your own.**
- **STRETCH your thinking.**





## Problem-Solving Organizer

**Rewrite the problem:**

**Read the problem:**

Highlight or circle ALL the key words in the problem.

**Think about the problem:**

What is the problem really asking:

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**Consider the strategies and make a plan:**

What strategy / strategies will you use?

- |  |   |  |
|--|---|--|
| <input type="checkbox"/> Draw a model    | <input type="checkbox"/> Make a list    | <input type="checkbox"/> Logical Reasoning       |
| <input type="checkbox"/> Guess and check | <input type="checkbox"/> Draw a diagram | <input type="checkbox"/> Solve a simpler problem |
| <input type="checkbox"/> Use a pattern   | <input type="checkbox"/> Work backward  | <input type="checkbox"/> Draw a graph            |

What manipulatives do you need to use? \_\_\_\_\_

**Try out your plan and solve the problem:**

Show all your work and explain your steps.

**Look back:**

Did you answer the question? Does your answer make sense? Check your answer.



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