

PROBLEM - SOLVING

Question: Understand the question.

Data: Find the data needed to answer the question.

Plan: Develop a plan to answer the question.

Answer: Answer the question with your plan.

Check: Check to see if the answer is correct.

PROBLEM - SOLVING: Step 1

Question: Understand the question.

- ❖ Elaborate
 - What do I know about the **topic**?
 - What do I know about the **type** of question?
 - What **words** do I not understand?
- ❖ Imagery
 - Draw a **picture** of the question.
- ❖ **Rewrite** the question as a **statement**.

PROBLEM - SOLVING: Step 2

Data: Find the data needed to answer the question.

- ❖ **What numbers from the problem do I need to use?**
- ❖ **What numbers are not used for the problem?**

PROBLEM - SOLVING: Step 3

Plan: Develop a plan to answer the question.

- ❖ What is the **question** asking me to do?
- ❖ How many **steps** to answer the question?
- ❖ What **operations** will I do?

PROBLEM - SOLVING: Step 4

Answer: Answer the question with your plan.

- ❖ **Solve each step in the problem.**
- ❖ **Show my work for each step.**
- ❖ **Circle the answer.**

PROBLEM - SOLVING: Step 5

Check: Check to see if the answer is correct.

- ❖ Did I do every step in my plan?**
- ❖ Do I have any mistakes in my calculations?**
- ❖ Does my answer match my imagery?**
- ❖ If I estimate the correct answer does my answer match?**