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| Photo displaying partial image of two pie charts on a canvas-textured page |
| Mathematics ProblemGroup … |
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**PAPER IDENTITY**

TOPIC

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NAME

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

STUDENT ID NUMBER

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

CLASS

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DEPARTMENT

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**WELL-STRUCTURED PROBLEMS**

PROBLEM 1. TOPIC \_\_\_\_\_\_\_\_\_\_\_\_

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| --- | --- |
| **Component** | **Description** |
| Type |  |
| Beginning State | Known informationUnknown information |
| Goal State |  |
| Transformation Function |  |

Problem:

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Solution

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| --- | --- |
| **Step** | **Description** |
| Step 1. Understand the Problem | What is known?What is unknown?What must be found? |
| Step 2. Devise a Plan |  |
| Step 3. Carry Out the Plan |  |
| Step 4. Look Back |  |

Why is this problem suitable for elementary school student? (maximum 75 words)

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**WELL-STRUCTURED PROBLEMS**

PROBLEM 2. TOPIC \_\_\_\_\_\_\_\_\_\_\_\_

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| **Component** | **Description** |
| Type |  |
| Beginning State | Known informationUnknown information |
| Goal State |  |
| Transformation Function |  |

Problem:

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Solution

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| **Step** | **Description** |
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Why is this problem suitable for elementary school student? (maximum 75 words)

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**WELL-STRUCTURED PROBLEMS**

PROBLEM 3. FREE TOPIC \_\_\_\_\_\_\_\_\_\_\_\_

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| **Component** | **Description** |
| Type |  |
| Beginning State | Known informationUnknown information |
| Goal State |  |
| Transformation Function |  |

Problem:

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Solution

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| --- | --- |
| **Step** | **Description** |
| Step 1. Understand the Problem | What is known?What is unknown?What must be found? |
| Step 2. Devise a Plan |  |
| Step 3. Carry Out the Plan |  |
| Step 4. Look Back |  |

Why is this problem suitable for elementary school student? (maximum 75 words)

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**ILL-STRUCTURED PROBLEMS**

PROBLEM 1. TOPIC \_\_\_\_\_\_\_\_\_\_\_\_

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| **Component** | **Description** |
| Type |  |
| Beginning State | Known informationUnknown information |
| Goal State |  |
| Transformation Function |  |

Problem:

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Solution

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| --- | --- |
| **Step** | **Description** |
| Step 1. Understand the Problem | What is known?What is unknown?What must be found? |
| Step 2. Devise a Plan |  |
| Step 3. Carry Out the Plan |  |
| Step 4. Look Back |  |

Why is this problem suitable for elementary school student? (maximum 75 words)

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**ILL-STRUCTURED PROBLEMS**

PROBLEM 2. TOPIC \_\_\_\_\_\_\_\_\_\_\_\_

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| --- | --- |
| **Component** | **Description** |
| Type |  |
| Beginning State | Known informationUnknown information |
| Goal State |  |
| Transformation Function |  |

Problem:

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Solution

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| --- | --- |
| **Step** | **Description** |
| Step 1. Understand the Problem | What is known?What is unknown?What must be found? |
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Why is this problem suitable for elementary school student? (maximum 75 words)

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**ILL-STRUCTURED PROBLEMS**

PROBLEM 3. FREE TOPIC \_\_\_\_\_\_\_\_\_\_\_\_

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| --- | --- |
| **Component** | **Description** |
| Type |  |
| Beginning State | Known informationUnknown information |
| Goal State |  |
| Transformation Function |  |

Problem:

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Solution

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| **Step** | **Description** |
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