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| --- |
| Photo displaying partial image of two pie charts on a canvas-textured page |
| Mathematics Problem  Group … |
| |  |  |  | | --- | --- | --- | |  |  |  | |

**PAPER IDENTITY**

TOPIC

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

NAME

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

STUDENT ID NUMBER

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

CLASS

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

DEPARTMENT

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

**WELL-STRUCTURED PROBLEMS**

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

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

Problem:

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Solution

|  |  |
| --- | --- |
| **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 information  Unknown 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 information  Unknown 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 information  Unknown 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 \_\_\_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| **Component** | **Description** |
| Type |  |
| Beginning State | Known information  Unknown 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 \_\_\_\_\_\_\_\_\_\_\_\_

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

Problem:

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Solution

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