

PROBLEM SOLVING SERIES

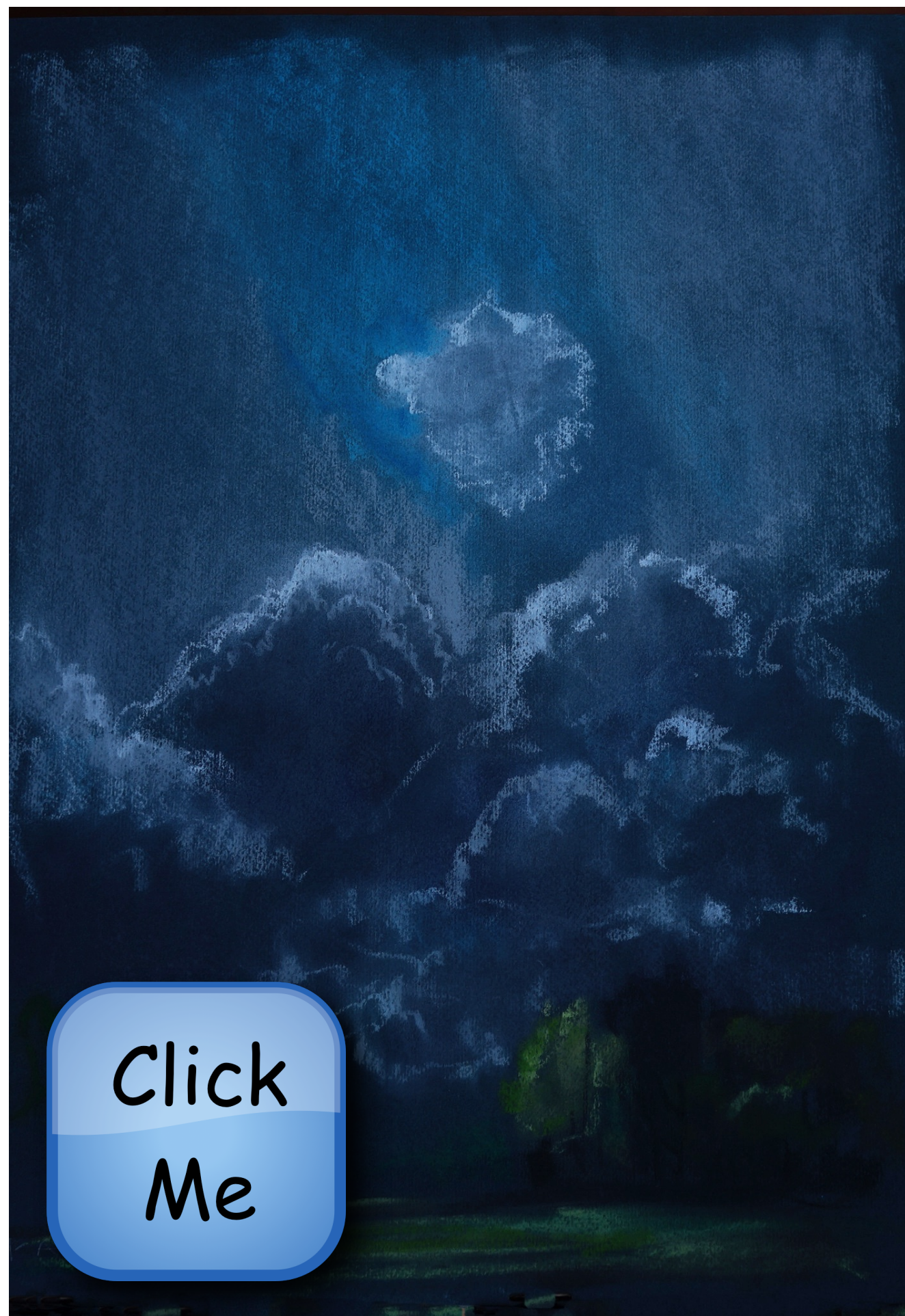


# LAND OF POME 1

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J. A. Ameis PhD Mathematics Education





# INTRODUCTION

Once far way in the Land of Pome, there lived a lot of pnomes.

What is a pnome you ask?

Well, a pnome is something like a gnome, only smaller, about four decimetres tall and two decimetres wide.

The boy pnomes have long beards and are bald on top. The girl pnomes have marvelous curly red hair all over the top.

All pnomes have big furry feet that keep them warm in winter.

The land of Pome is full of problem-solving adventures and pnomes like those adventures.

Click  
Me



## TAP/CLICK BUTTONS

- Hints are provided.



- Solutions are provided.

SOLUTION

- More information is sometimes available to help explain the problem.



# Contents

There are five problem sets in Book #1.

The suggested grade level is 3 to 5.

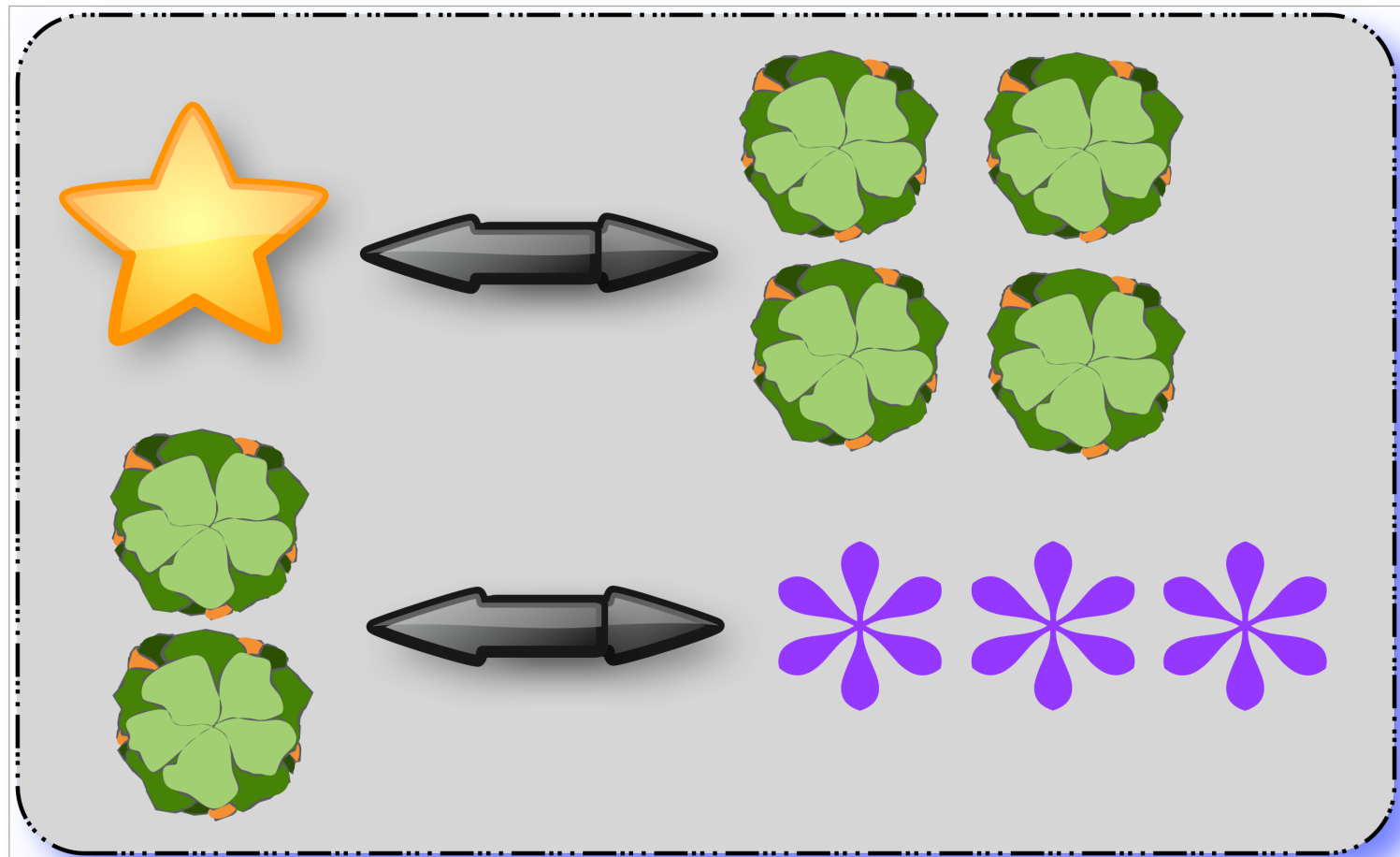
**Tap/Click a problem set for an adventure.**

1. [Samer's Wonderful Cakes](#)
  2. [A Fair Day to Trade](#)
  3. [Left is the Treasure](#)
  4. [The Mystery of the Shapes](#)
  5. [A Rescue in Black Mountain](#)
- ☒ [Printable versions of diagrams](#)

# A FAIR DAY TO TRADE

Barter Town was a busy place. Pnomes were there from far and wide, trading this for that and that for this.

Borbo wandered here and there. He was looking for two special things, a yellow star and a bala flower. He saw the yellow star lying on a table, just waiting for him.





## SOLUTION

# A Fair Day to Trade #1

### NAVIGATION

- Return to the Problem Set Menu.

[Problem Set Menu](#)

- Back to the current problem.

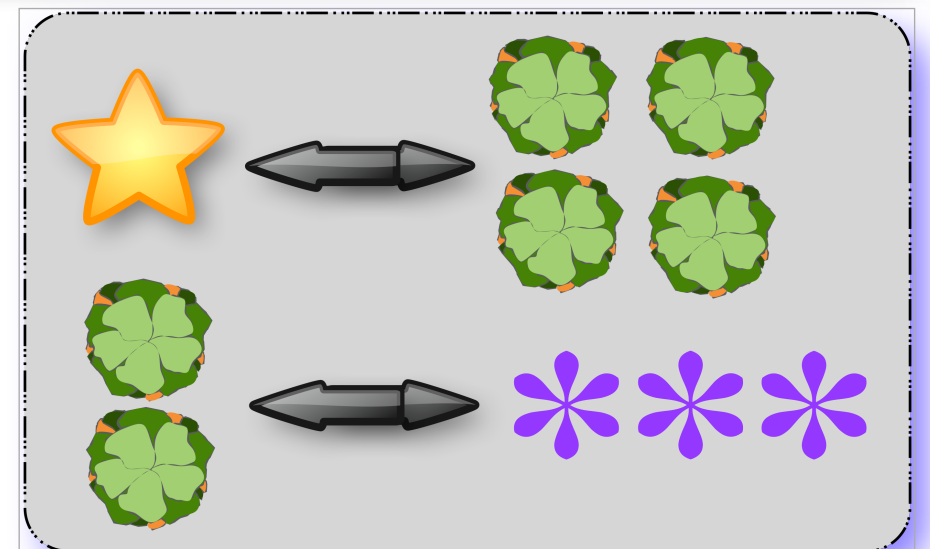
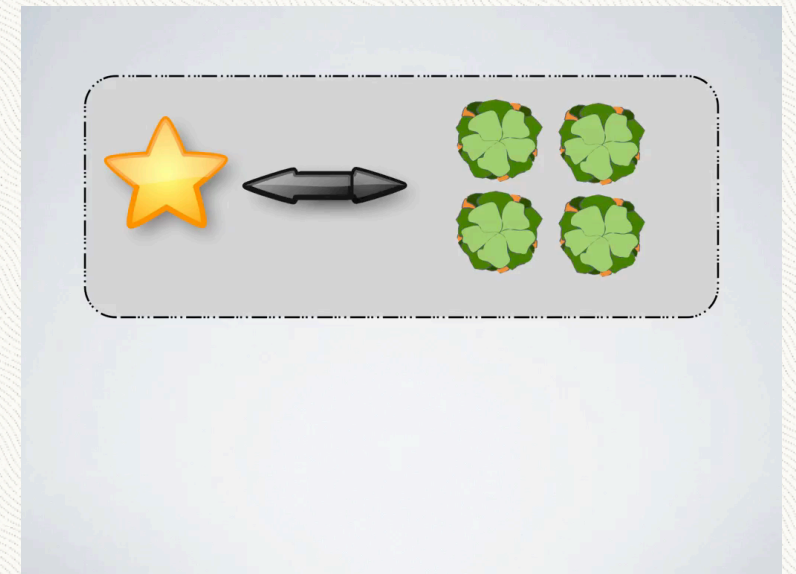
[Current Problem](#)

- Move to the next problem.

[Next Problem](#)

Watch the movie for a solution.

### Movie: Solution Problem #1

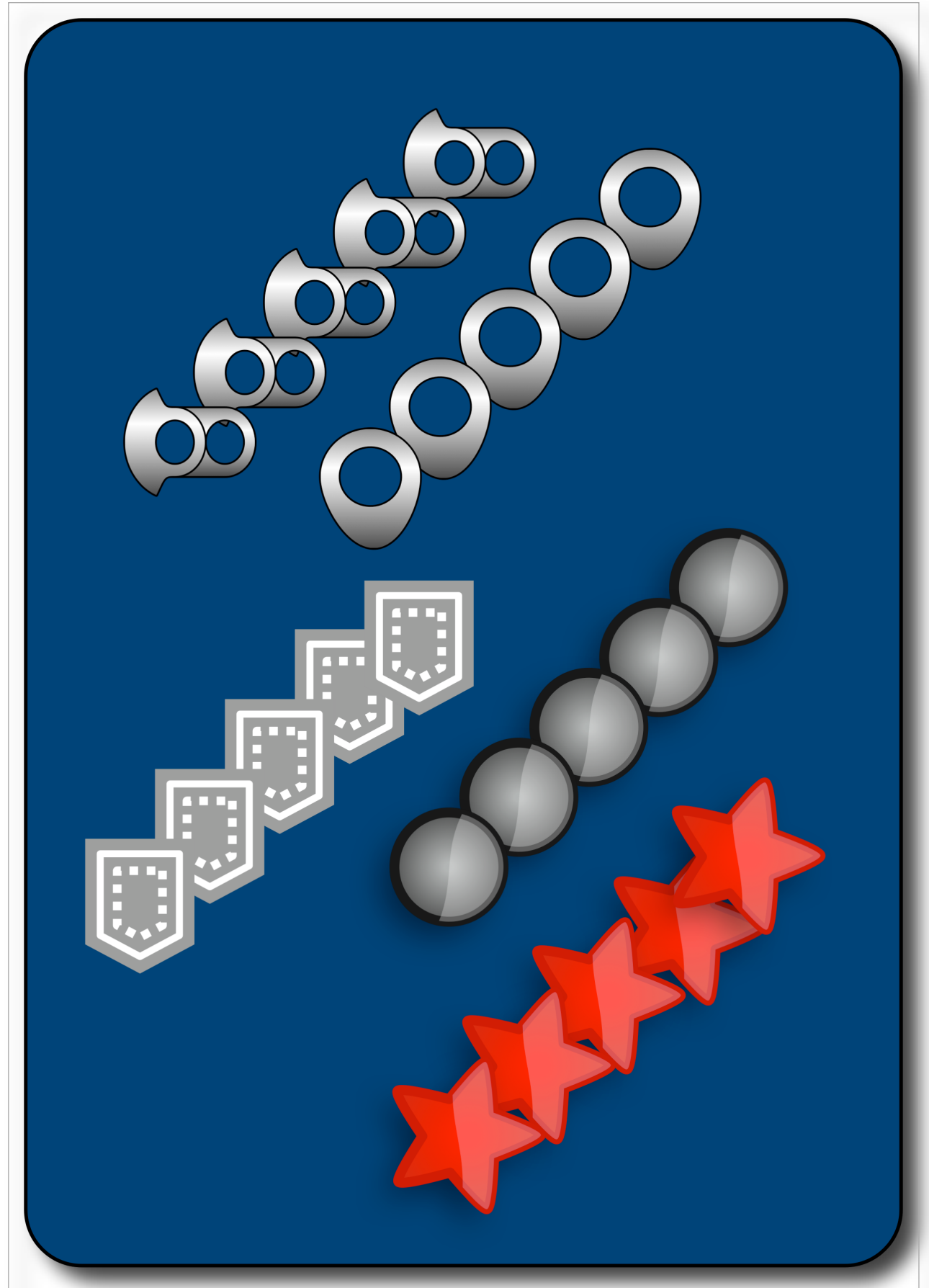




## A RESCUE IN BLACK MOUNTAIN

The good wizard  
Thunderbard was swimming  
in his duck pond when old  
king Thawmuch called to him.  
Thunderbard knew something  
was amiss.

He asked the king, "How can  
I help you?"





## RESCUE IN BLACK MOUNTAIN

## Problem #1

### THE COMBINATION



The king said, with tears in his eyes, "My son is held prisoner in a dungeon by the bad wizard Vilemore. The dungeon is buried deep in Black Mountain. A long tunnel leads to the dungeon. There are two locked doors in the tunnel. Each door has a combination lock. Will you rescue my son?."

Thunderbard answered calmly, "I will rescue him."

Continued ...



## PRINT VERSIONS

The diagrams of  
the five problem  
sets.

## NAVIGATION

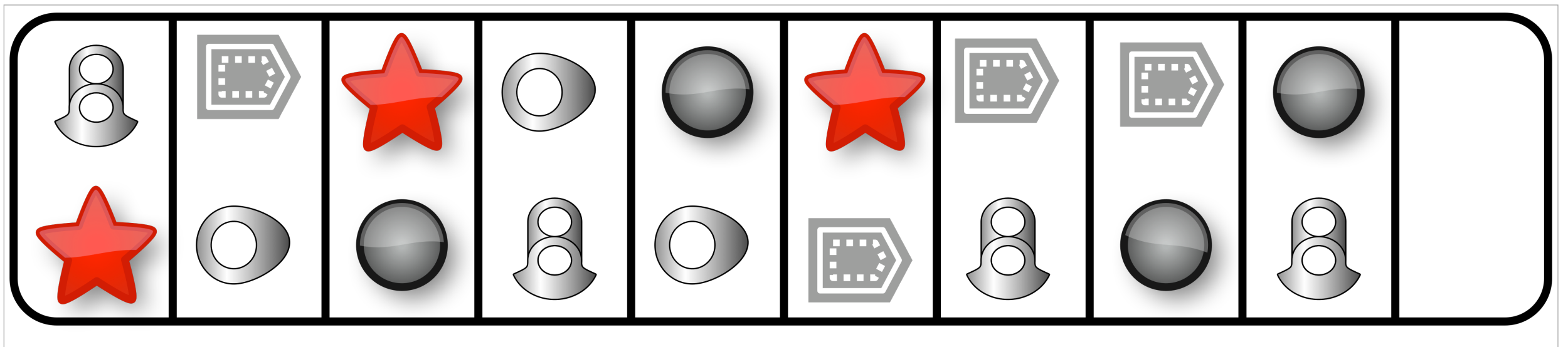
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## A RESCUE IN BLACK MOUNTAIN

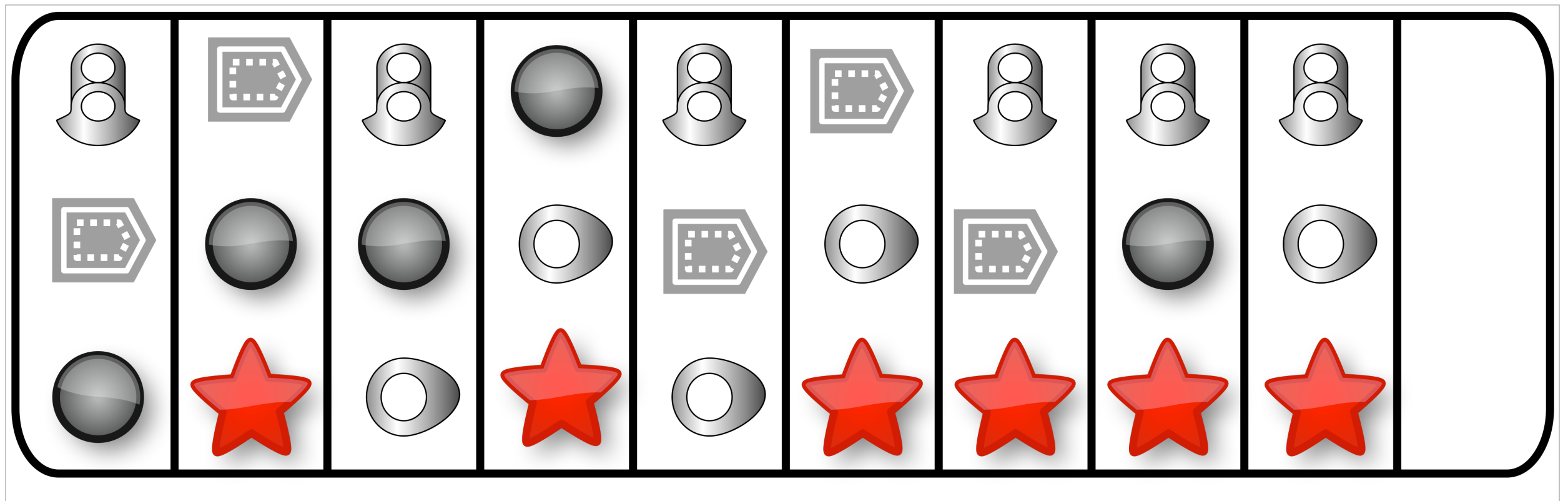
## Problem #1





## A RESCUE IN BLACK MOUNTAIN

## Problem #2



## ‘Mind expansion’ problem solving

This type of problem solving involves problem situations that are not marginally altered versions of situations that have already been solved. ‘Mind expansion’ problem solving involves situations that are not familiar to the learner or that are substantially different from familiar situations.

This type of problem solving is typically referred to as non-routine problem solving in mathematics education.

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### Related Glossary Terms

Drag related terms here

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**Index**

Find Term