



GRADES 4-9 · 60 DIFFERENTIATED PUZZLES

Critical Thinking *Puzzle Pack*

A premium, classroom-ready collection of logic, lateral thinking, math reasoning, and argumentation puzzles — differentiated across Bronze, Silver, Gold, and Bonus tiers.

60 Puzzles

4 Tiers

8 Skill Domains

GR 4-9

L

Logic & Deduction

Syllogisms, grid logic, conditional reasoning.

M

Math Reasoning

Patterns, optimization, paradoxes, probability.

A

Argumentation

Five common fallacies with real-world examples.

NAVIGATE THE PACK

Table of Contents

A complete map of the Mega Bundle. Every section is printable on US Letter paper for classroom use.

FRONT MATTER

- 01 Welcome & About This Pack purpose, audience, design
- 02 How to Use This Pack teacher implementation guide
- 03 Critical Thinking Skills Framework 8 skills targeted
- 04 Common Core Standards Alignment CCSS-M & CCSS-ELA
- 05 Pacing Guide 5-day, 10-week, semester plans
- 06 Student Recording Log track all 60 puzzles

PUZZLE TIERS

- 07 Bronze Tier — Puzzles 1–18 foundational warm-ups
- 08 Silver Tier — Puzzles 19–36 multi-step reasoning
- 09 Gold Tier — Puzzles 37–50 advanced argumentation & optimization
- 10 Bonus Tier — Puzzles 51–60 mega-bundle exclusives

TEACHER RESOURCES

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01

BRONZE TIER

Number Pattern

What number comes next in the sequence?

2, 5, 8, 11, 14, ?

MY ANSWER & REASONING

02

BRONZE TIER

Syllogism

If all Blips are Blops, and some Blops are Bops, are all Blips definitely Bops? Explain your reasoning.

MY ANSWER & REASONING

03

BRONZE TIER

Lateral Thinking

I am an odd number. Take away a letter and I become even. What number am I?

MY ANSWER & REASONING

04

BRONZE TIER

Sequence

What letter comes next in this pattern?

J, F, M, A, M, J, ?

MY ANSWER & REASONING

Logic & Deduction	2, 7, 10, 17, 19, 23, 26, 35, 38, 54, 55
Tricky Math & Counting	5, 11, 13, 16, 22, 25, 30, 32, 44, 50
Word Play & Language	12, 27, 31, 36, 53
Argumentation & Fallacies	34, 37, 42, 46, 49, 57
Spatial & Probability	45, 47, 60
Algebraic Reasoning	40

Mini-unit idea — Fallacy Friday: Pull puzzles 37, 42, 46, 49, and 57. Each Friday, introduce one fallacy, identify it in the puzzle, and have students find a real-world example from the week's news or social media. By the end of five weeks, students have a personal fallacy field guide.

SECTION 12 · ANSWER KEY WITH TEACHING TIPS

Answer Key — Puzzles 1–30

Each entry includes the verified answer, a brief explanation, and a teaching tip for the debrief. Use the tip as your discussion script.

01 NUMBER PATTERN

17 — Each number increases by 3.

TEACHING TIP — Have students verbalize the rule before computing. Reinforces pattern recognition as a habit, not luck.

02 SYLLOGISM

No. Blips might only be the Blops that are not Bops.

TEACHING TIP — Draw a Venn diagram on the board. Visual reasoning makes abstract syllogisms click for grade 4–6 students.

03 LATERAL THINKING

SEVEN — Remove the 's' and you get EVEN.

TEACHING TIP — A great warm-up for discussing wordplay vs. mathematical reasoning. Two modes of thinking in one puzzle.



UM PRINTABLES

CRITICAL THINKING PUZZLE & LOGIC PACK

Certificate of **BRONZE**

This certificate is proudly presented to a critical thinker who has demonstrated persistence, curiosity, and growth by completing the Bronze Tier of the Critical Thinking Puzzle & Logic Pack.

STUDENT NAME

TEACHER SIGNATURE

DATE



UM PRINTABLES
PREMIUM EDUCATIONAL RESOURCES

A NOTE FROM UM PRINTABLES

Your review *helps teachers.*

If this Mega Bundle saved you time, sparked a great class discussion, or helped a student finally "get it" — please take 60 seconds to leave a review on our Teachers Pay Teachers store. Every review helps another teacher find these resources.



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Visit our TpT store and rate this product. Honest feedback makes us better.



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Click the green star to be notified when new puzzles and bundles drop.



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Share with a colleague who teaches critical thinking. We grow by word of mouth.

Real classrooms. Real teachers. Real reviews. That is how UM Printables grows.

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UM Printables

Premium Educational Resources · Critical Thinking, Logic Puzzles, Math Reasoning.
Search "UM Printables" on TpT.



WHAT'S INSIDE THE FULL PACK

A complete *critical thinking* curriculum — in one premium bundle.

This preview shows 6 representative pages from the 52-page Mega Bundle. The full pack includes everything below — ready to print, ready to teach, ready to inspire.

60
PUZZLES

52
PAGES

4
TIERS

GR 4–9
GRADE BAND

PUZZLE TIERS — 60 DIFFERENTIATED PUZZLES

BRONZE
18 warm-ups · 1–3 min

SILVER
18 multi-step · 3–7 min

GOLD
14 advanced · 7–15 min

BONUS
10 mega-bundle exclusives

EVERYTHING YOU GET IN THE FULL PACK

01 Welcome & How to Use 5 deployment patterns for any classroom.	02 Skills Framework & CCSS 8 skills mapped to Common Core standards.	03 Pacing Guide 5-day, 10-week, full-semester plans.
04 Student Recording Log Track all 60 puzzles — attempted + verified.	05 60 Puzzle Cards Bronze, Silver, Gold, Bonus tiers.	06 Full Answer Key Answers + explanations + teaching tips.
07 Sorting Guide Find puzzles by skill in 9 categories.	08 30 Discussion Prompts Process, Assumption, Evidence, Transfer.	09 Self-Assessment Rubric 4 criteria, process-focused.
10 Glossary & Extensions 20 key terms + 12 extension activities.	11 4 Printable Certificates Bronze, Silver, Gold, Master Thinker.	12 TPT Review Request Premium thank-you page for the store.



Get the full 52-page Mega Bundle.

Visit UM Printables on Teachers Pay Teachers to download the complete pack — 60 puzzles, answer key, certificates, and everything you need for a semester of critical thinking.