



Math Exam Readiness Roadmap: Days 1-3



Exam Readiness Overview & Setup

This structured 5-day workflow guides students, parents, and tutors through a sequential revision schedule. Follow the timed morning and afternoon blocks each day to move steadily from concept triage to timed mock execution and final confidence checks.

- Morning blocks focus on targeted concept mastery and analytical drill sets.
- Afternoon blocks emphasize timed application, error diagnostics, and formula fluency.
- Mark the milestone checkboxes daily to confirm mastery before progressing.



Tutor & Parent Tip

Maintain strict 45-minute focus intervals followed by 10-minute active recovery breaks to preserve analytical stamina throughout the revision week.

Candidate Name & Grade / Course

Target Exam Date & Sitting Time



Day 1: Fundamental Concept Triage & Gap Audit

Audit high-frequency arithmetic and algebraic rules. Identify persistent weak points across fractions, decimal conversions, negative integers, and operational properties before advancing to complex multi-step problems.

- **Morning Block (9:00 AM – 11:30 AM):** Review properties of operations (identity, inverse, distributive) and number sets on the number line.
- **Afternoon Block (1:30 PM – 3:30 PM):** Execute 30 fraction arithmetic drills (simplification, unlike denominators, reciprocal division) and log errors.
- **Milestone Check:** All arithmetic triage errors transcribed into personal diagnostic log.



Common Mistake Alert

Remember that dividing fractions requires inverting the divisor and multiplying:

$$\frac{a}{b} \div \frac{c}{d} = \frac{a}{b} \times \frac{d}{c}$$

Never invert the dividend.



Day 2: Targeted Problem-Solving & Ratio Drills

Target core functional relationships, unit conversions, proportional reasoning, percentages, and scientific notation formats.

- **Morning Block (9:00 AM – 11:30 AM):** Rates, proportions, and cross-multiplication equations; solve real-world unit rate comparison items.
- **Afternoon Block (1:30 PM – 3:30 PM):** Percent-to-decimal transitions, simple interest calculations ($I = p \cdot r \cdot t$), and scientific notation shifts.
- **Milestone Check:** Rapid conversion fluency achieved (under 45 seconds per standard percentage/ratio item).



$$75\% = 0.75$$

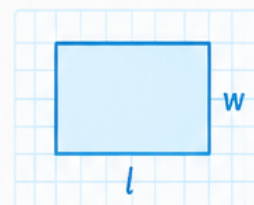
$$2.5 \times 10^3$$



Day 3: Multi-Step Application & Algebraic Foundations

Synthesize arithmetic foundations into multi-step linear equations, variable isolation, exponent rules, and basic geometric area/perimeter models.

- **Morning Block (9:00 AM – 11:30 AM):** Apply exponent rules (common base product, quotient, power of power) and binomial square expansions.
- **Afternoon Block (1:30 PM – 3:30 PM):** Solve multi-step linear balance equations; isolate free variables across balanced transformations.
- **Milestone Check:** 15 consecutive multi-step equations solved without sign or reciprocal errors.



$$A = l \times w$$



Operational Note

When dividing or multiplying an inequality by a negative value, always reverse the inequality orientation.



Math Exam Readiness Roadmap: Days 4–5 & Exam Day Protocol



Day 4: Timed Mock Simulation & Error Diagnostics

Simulate exact test conditions using an unseen comprehensive review test under strict time constraints, followed by forensic review of missed points.



Daily Plan

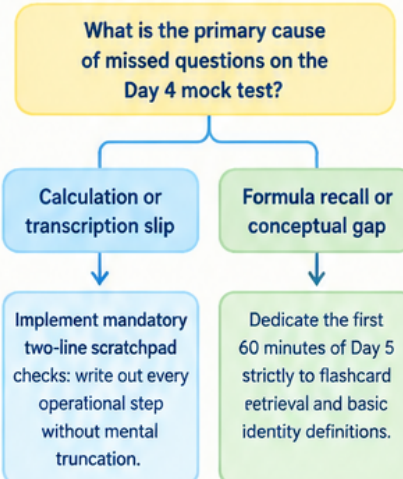
- **Morning Block (9:00 AM – 11:00 AM):**
Complete full-length timed mock assessment in a distraction-free setting with no external notes.
- **Afternoon Block (1:00 PM – 3:30 PM):**
Mark paper against answer key; categorize misses into misread prompts, conceptual gaps, or calculation slips.
- **Milestone Check:**
Diagnostic review sheet completed with re-worked solutions for 100% of missed items.



Mock Exam Time Tracking



Diagnostic Decision



Day 5: Light Formula Review & Exam Readiness

Low-stress consolidation focusing purely on active recall, memory card formulas, arithmetic tables, and logistics preparation.



Daily Plan

- **Morning Block (9:30 AM – 11:30 AM):**
Flash-review formula cards (interest, proportions, exponent rules, binomial formulas) and standard definitions.
- **Afternoon Block (1:30 PM – 3:00 PM):**
Light ten-problem confidence drill set; assemble test kit (pencils, erasers, approved calculator, entry card).
- **Evening Routine:**
Strict study stop by 5:00 PM; hydrate, relax, and ensure 8+ hours of uninterrupted sleep.



Final Day Readiness Mandate



Do not attempt new, unfamiliar problem types today. Solidify known procedures to protect accuracy and cognitive confidence.



Step-by-Step Checklist

- 1 **Step 1: Formula Rapid Fire**
Write down all 8 core operational and exponent properties from memory on blank paper.
- 2 **Step 2: Pack Examination Kit**
Pack approved rulers, sharpened pencils, erasers, and permitted identity documents in a clear sleeve.
- 3 **Step 3: Rest Protocol**
Cease all screen time and problem sets 2 hours before bedtime to guarantee complete mental recovery.



Mock Exam Time Tracking



Test Kit Checklist

- ✓ Pencils (sharpened)
- ✓ Erasers
- ✓ Approved calculator
- ✓ Entry card / identity documents



Final Confidence Rating & Sign-off (Candidate / Tutor)
