

The GED Math Foundations Roadmap

Your Summer Self-Study Course

One course · eight files · nineteen lessons (plus one short interlude)

Welcome to your summer math. This is **one course spread across a few files**. You don't have to go in order, and you don't have to do all of it — every lesson stands on its own and explains itself, so you can open any topic at any time and follow it from start to finish.

Not sure where to begin? Open the **Orientation** first. It shows you how the whole thing works and gives you a tracker to mark your progress. After that, pick whatever you want to work on from the list below.

Orientation	Start here. How to use this guide, the full Roadmap, what to do when you get stuck, and your master Progress Tracker.
Installment 1 <i>First Lessons · Lessons 1–4 + Interlude</i>	Place value · rounding & estimation · fractions: the big picture · equivalent fractions — plus a short interlude on the VIPs of math, zero & one.
Installment 2 <i>Working With Fractions · Lessons 5–7</i>	Comparing & simplifying · adding & subtracting · multiplying & dividing fractions.
Installment 3 <i>Decimals & Conversions · Lessons 8–10</i>	Decimal basics · operating with decimals · fractions ↔ decimals ↔ percents.
Installment 4 <i>Percentages, Ratios & Proportions · Lessons 11–13</i>	Percentages · ratios · proportions (cross-multiplying to solve).
Installment 5 <i>Order, Signs, Powers & Roots · Lessons 14–17</i>	Order of operations (PEMDAS) · positive & negative numbers · the nine rules of exponents · square roots.
Installment 6 <i>Building Blocks & Putting</i>	Factors, multiples, GCF & LCM · a mixed review of the whole roadmap — ending with the Gauntlet:

Every lesson speaks in the same five colors — after one lesson, you can find your place by color alone:

blue = the idea	green = worked examples	amber = your turn	violet = answers, explained	teal = more practice
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Reading on your phone? Every file also comes as a PDF — same content, and it always looks right on a phone screen. And if you were given the link to the course web page, you can check lessons off there as you finish them; the page remembers your progress every time you come back.

Nineteen lessons in all — from place value to powers and roots, the heart of the GED math test. Go at your own pace, check your thinking against the answer keys (they explain the *why*, not just the answer), and reach out when you need to. See you soon!

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