

Matthie Recalculation Path

Number Sense: A Complete Course (Book 1) Trackers & Forms

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Built against Master Framework v1.1

Recalculation Record (Required)

This is the one required tracker. It records, per student, the status of every skill in the Number Sense skill map. Status codes: NY (Not Yet), R (Recalculating), M (Mastered), IE (Insufficient Evidence). Update after each confirmed pattern, not after a single item.

Student name: _____	Grade: _____ School year: _____
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Skill ID	Skill	Status (NY/R/M/IE)	Date	Notes
NS-PV-01	Compare decimals using place-value alignment, not digit count			
NS-PV-02	Read and write numbers correctly across word, expanded, and standard form			
NS-PV-03	Round from the digit to the right of the target place			
NS-FM-01	Distinguish factors from multiples			
NS-FM-02	Test primality correctly, including 1 and odd numbers			
NS-FM-03	Find complete factor pairs and choose GCF or LCM by context			
NS-FR-01	Compare fractions using a common denominator or benchmark, not denominator size			
NS-FR-02	Build equivalent fractions by scaling both parts by the same factor			

Skill ID	Skill	Status (NY/R/M/IE)	Date	Notes
NS-FR-03	Simplify to the GCF and accept improper fractions as valid			
NS-DC-01	Multiply decimals by counting total decimal places, not aligning points			
NS-DC-02	Subtract decimals with correct placeholder zeros			
NS-DC-03	Divide decimals by shifting both numbers together; estimate first			
NS-IN-01	Order and compare integers using a number line, not digit size			
NS-IN-02	Distinguish absolute value from opposite; absolute value is never negative			
NS-IN-03	Add and subtract integers by rewriting subtraction as adding the opposite			
NS-IN-04	Apply the correct sign rule per operation; recognize division by zero is undefined			

Skill ID	Skill	Status (NY/R/M/IE)	Date	Notes
NS-RN-01	Classify numbers as rational correctly, including integers and repeating decimals			
NS-RN-02	Compare rational numbers in different forms by converting to the same form first			
NS-OP-01	Apply the correct order: brackets, exponents, then multiplication/division, then addition/subtraction, all left to right			
NS-OP-02	Evaluate brackets and exponents before other operations			
NS-PW-01	Evaluate a power by repeated multiplication, not base times exponent			
NS-PW-02	Apply exponent rules correctly: zero exponent, negative bases, and same-base combining			
NS-PW-03	Evaluate a square root as equal factors, not halving			

Skill ID	Skill	Status (NY/R/M/IE)	Date	Notes
NS-PW-04	Estimate a root using consecutive perfect-square benchmarks; recognize radicals give one answer			

Optional Forms

Class Summary Roster -- OPTIONAL. Use only if you want a single at-a-glance view across an entire class rather than one Recalculation Record per student; skip it if per-student records are enough.

Cross-Book Routing Log -- OPTIONAL. Number Sense is foundational -- there is no earlier book in this series to route back to. This form becomes relevant only if a future placement need arises.