

Making Math Real™
INSTITUTE

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Decimal Long Division

Levels I-VI

Single and Double-Digit Divisors

Guided Application
Worksheet Masters

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DECIMAL LONG DIVISION

LEVELS I-VI

Single and Double-Digit Divisors

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IMPORTANT NOTE TO THE TEACHER ABOUT THE DEVELOPMENTALLY APPROPRIATE USE OF THIS BOOK

There are a number of fundamental prerequisite developments required for student readiness to begin decimal long division:

- Students must have successfully integrated Levels I – VIII of whole number long division prior to starting decimal long division. All six levels of decimal long division require the application of all eight levels of whole number long division. If students have not yet fully integrated whole number long division, **IT IS NEVER APPROPRIATE TO ATTEMPT THE CONCEPT-PROCEDURE INTEGRATION OF LONG DIVISION THROUGH THE TEACHING OF DECIMAL LONG DIVISION.** Levels I-VIII of whole number long division are taught in Making Math Real: The Four Operations and the 400 Math facts.
- Students must have integrated decoding and encoding the decimal code through the thousandths place and beyond taught in Making Math Real: Fractions, Decimals, and Advanced Place Value.
- Students must have integrated rounding decimals to the nearest hundredth place taught in Making Math Real: Fractions, Decimals, and Advanced Place Value.
- Students must have integrated the complete unit of increasing and decreasing decimals by powers of 10 taught in Making Math Real: Fractions, Decimals, and Advanced Place Value.

The extensive volume of incremental practice in this book is intended to enable the educator to be prescriptive for students' indicated areas of practice – not to assign pages of unstructured drill.

USING THIS BOOK DISASSOCIATED FROM ITS DESIGN AND INTENT WILL NOT HELP STUDENTS LEARN DECIMAL LONG DIVISION.

Furthermore, it is NOT intended that students complete every page of this book unless indicated by their processing needs.