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## B6RQI9 - MORGAN MARLEE

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Check out the learning progression for decimals and notice how embedded many of the fraction standards are in the learning of operations with decimals in 5th grade! Believe it or not, decimals are much more abstract than fractions. The authors of the book Extending Children's Mathematics: Fractions and Decimals state that "children's understanding of decimals simultaneously draws on their ... Extending children's mathematics fractions and decimals: innovations in cognitively guided instruction. Portsmouth, NH: Heinemann. Contact Information For additional information, contact the mathematics specialists at your local education service cooperative or university STEM center.

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Fractions remain one of the key stumbling blocks in math education, and here Empson and Levi lay a foundation for understanding fractions and decimals in ways that build conceptual learning. They show how the same kinds of intuitive knowledge and sense making that provides the basis for children's learning of whole number arithmetic can be extended to fractions and decimals.

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There are many problems ready to use for all grade levels. It really does "address the urgent need to help teachers understand and teach fraction concepts" (from book jacket). I highly recommend this as a book to study in PLC's. Extending Children's Mathematics: Fractions & Decimals: Innovations In Cognitively Guided Instruction

Extend year 4 children's learning about equivalent fractions with these engaging home learning tasks. With the fun context of fuzzy families, these differentiated activities give children the opportunity to build on what they have learnt in lessons as they use multiplication to find equivalent fractions. These activities are differentiated and make a great addition to your homework plans to ...

Relational thinking: connecting fractions and algebra; From the classroom: making relational thinking explicit; Understanding fraction equivalence and order; Understanding decimals; Understanding operations on fractions and decimals; The long view : learning to use children's thinking to guide instruction.

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