

EXAM 2 BOXES

SKILLZ: This section also contains some computational skills you should master.

4.1 Letters and expressions

- why do we use letters to represent numbers?
- WPs to build expressions
- arithmetic with expressions (pictures, practice test)

5.3 Primes and the Fund Th of Arithmetic

- prime numbers
- smallest factor is a prime
- Fund Th of Arith
- factor trees
- exponential form
- squares #s have an odd # of factors

6.3 Mult. of fractions and Review of Division

- teaching sequence
- partitive and measurement division

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- drawing multiplication
- fraction multiplication
- more mental math

4.2 Identities, Properties, Rules

- what are they?
- arithmetic properties
- developing identities

5.4 More on Primes

- primality test
- there are only many prime #s

6.4 Division of fractions

- teaching sequence (pay special attention to the pictures!)
- 3 kinds of Teacher's Solutions

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- all the diagrams
- fraction division

4.3 Exponents

- why the rules must be true (step by step arithmetic)
- exponent of zero

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5.5 GCFs and LCMs

- definitions + computing
- Euclid's algorithm

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6.5 Division WPs

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- writing a WP (any, not just for division!)

5.1 Definitions, Explanations, Proofs

- all even/odd stuff
- what a proof is, what a definition is, their value

6.1 Fraction Basics

- what is a fraction?
- what is a fractional unit?
- curriculum sequence

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- comparing equivalent fractions
- + and - w/ same denom
- drawing fractions

6.6 Fractions as a Step Towards Algebra

- working out computations in detail (p.161)
- multiplicative inverse property

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- simplify crazy fractions

5.2 Divisibility Tests

- applying them
- vocab: multiple, factor, divisible, etc.
- Divisibility Lemma

6.2 More Fraction Basics

- fraction-division equiv.

SKILLZ

- improper fractions & mixed numbers
- + and - fractions
- mental math

ALSO:

- any fraction WP (Teacher's Solutions)
- the proofs
- everything from before: expanded form, interpretations of subtraction, counting models,