

GRADE 6 - LESSON 2 BREAKING DOWN NATURAL NUMBERS

EXPONENTS

base a^n exponent

$a \cdot a \cdot a \cdot \dots \cdot a = a^n$

Example:

PRIME FACTORS

Examples:

PRIME NATURAL NUMBER

can only be divided by 1 and itself

COMPOSITE NATURAL NUMBER can be divided by more than two natural numbers



GREATEST COMMON FACTOR

The greatest natural number which the given numbers (a and b) could be divided by.

recorded as

STEPS for finding the GCF (a, b)

Break the numbers down into their simplest (prime) factors

Multiply the common prime factors

Evaluate and determine the product of the common prime factors

GCF

GREATEST COMMON FACTOR

The greatest natural number which the given numbers (a and b) could be divided by.



LEAST COMMON MULTIPLE

The smallest natural number that could be divided by both of the given numbers (a and b).

recorded as

STEPS for finding the LCM (a, b)

- Break the numbers down into their simplest (prime) factors
 - Multiply the common prime factors, taking the highest degree of each of them
 - Evaluate and determine the product of the common prime factors from STEP 2



LEAST COMMON MULTIPLE

The smallest natural number that could be divided by both of the given numbers (a and b).







CONTINUE TO GRADE 6 LESSON 3

YOU ROCK!

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