

THE SIMPLE VIEW OF READING

$$D \times LC = RC$$

DECODING	LANGUAGE COMPREHENSION	READING COMPREHENSION
the ability to match sounds to symbols	deriving meaning from spoken words when they are part of a sentence	meaning derived from print as a PRODUCT of decoding and language comprehension

(Philip Gough and William Tunmer, 1986)

Why is Learning to Read So Difficult?

READING REQUIRES 4 PROCESSORS in the brain working together to comprehend.

THE ENGLISH LANGUAGE IS DERIVED FROM A VARIETY OF OTHER LANGUAGES; therefore, spelling and pronunciations are reliant on the origin of the word and can appear to be inconsistent from word to word.

MANY FACTORS INFLUENCE THE EASE OR DIFFICULTY OF COMPREHENSION, such as the text structure, the background knowledge readers bring to the text, and tasks that will be required of reader upon completion.

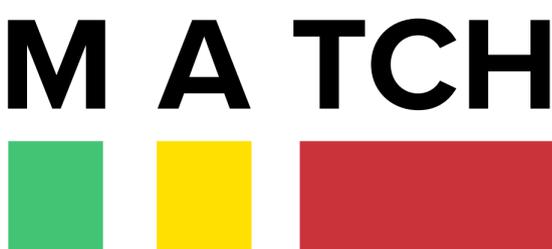
What Exactly is Decoding?

DECODING

The act of reading in its simplest form is the decoding of words. It is the ability to match sounds to symbols, to segment a word sound-by-sound, and then blend the sounds to form the word. To read fluently, readers need to be able to break the alphabetic code (sound-symbol correspondence) automatically.



Decoding in Action:



What Exactly is Language Comprehension?

LANGUAGE COMPREHENSION

LC

Language comprehension is deriving meaning from spoken words when they are part of a sentence or other discourse. It is different from the skill of decoding because language is continuously learned over a lifetime and may never be fully mastered because of the infinite number of words and phrases in English.



Flammable material used to produce fire



A contest between 2 or more people or groups



An exact or similar counterpart

MATCH

What Exactly is Comprehension?

READING COMPREHENSION

RC

Reading Comprehension is deriving meaning from print. Comprehension is not a single skill. "It is a complex of higher-level mental processes that include thinking, reasoning, imagining, and interpreting (Kahmi, 2007)."

$$D \times LC = RC$$

DECODING



LANGUAGE COMPREHENSION



READING COMPREHENSION

Krystal and Ava are wearing matching dresses.

3 Types of Reading Deficits

Decoding Deficiencies

- Inability to decode quickly, accurately, and instantly
- Adequate ability to understand spoken language
- Extreme deficiencies may be diagnosed as dyslexia



Language Comprehension Deficiencies

- Ability to decode quickly, accurately, and silently
- Limited vocabularies and communication difficulties
- Extreme deficiencies may be diagnosed as hyperlexia



Deficiencies in Both

- Weaknesses in both decoding and language comprehension



This infographic is part of The Science of Reading Short Course. Learn more and register at: www.thebigdippers.org

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