

SOLO Taxonomy

Surface Understanding

Deep Understanding

Conceptual Understanding



SOLO-level

Prestructural

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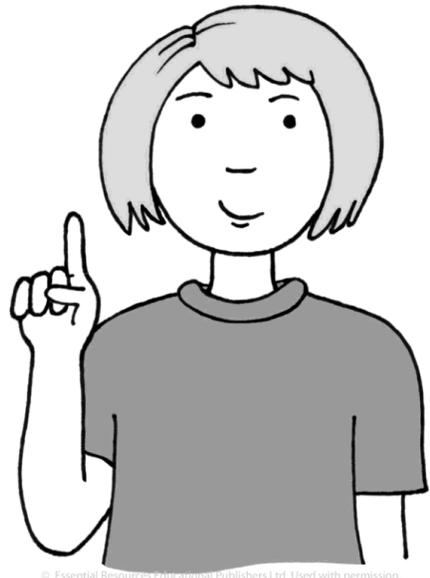


SOLO-level

Misses the point

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SOLO-level of the task

Unistructural

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SOLO-level of the task

Bring in an idea

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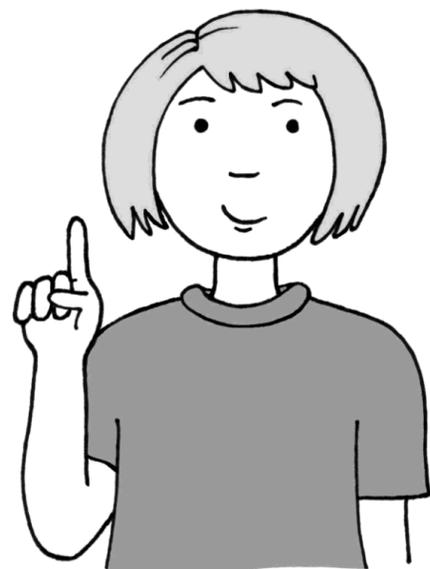


Define

What is it? What is it not?

To identify the meaning of a word

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Identify

What is it? Where is it? Who is it?
What is it used for?

To know, recognise, determine, decide

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Name

What is it called?

To designate

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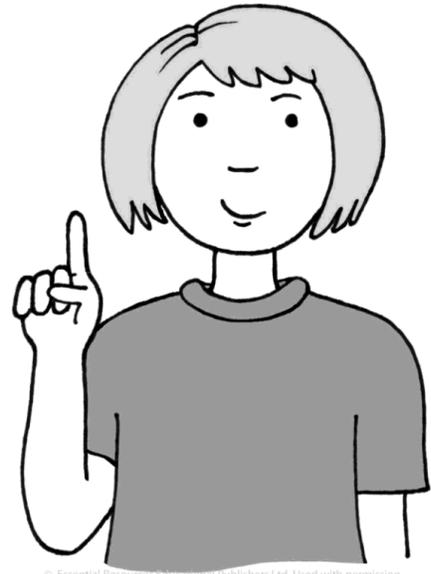
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Draw

Can I sketch this?

To sketch, reproduce, represent

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Find

Where is it?

To discover, search for

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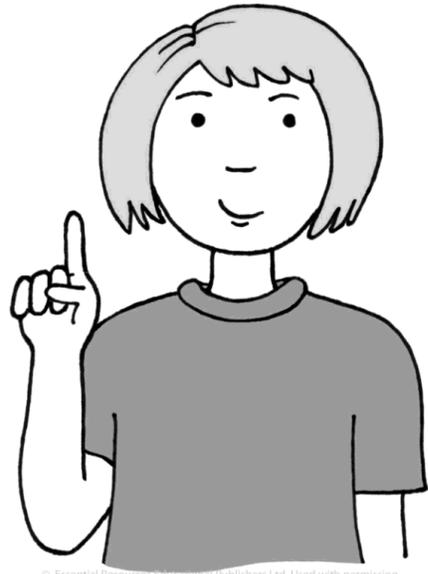
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Label

What is it known as?

To designate, brand, describe by

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Match

What resembles this?

To find similar to, fits

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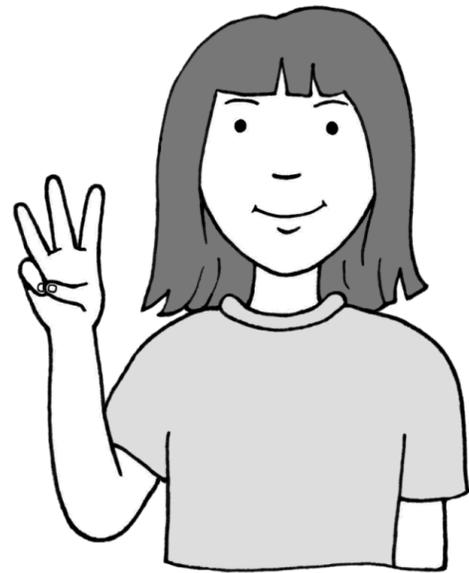


Recall

What do I already know?

To remember

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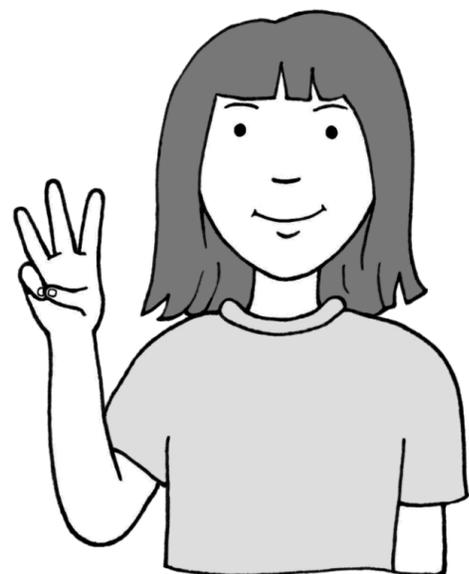


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SOLO-level of the task

Multistructural

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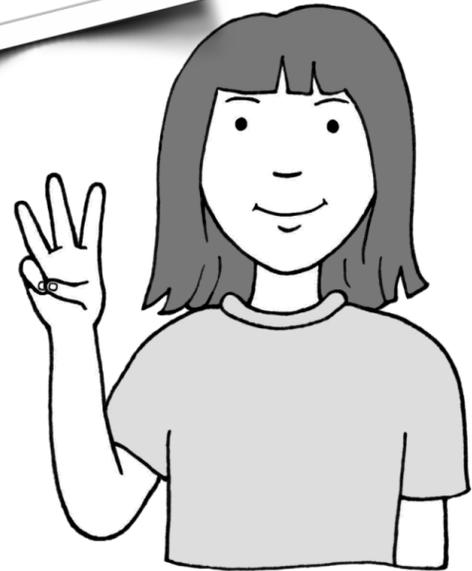
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SOLO-level of the task

Bring in ideas

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Describe

What is it like?

To represent, indicate, give an account of

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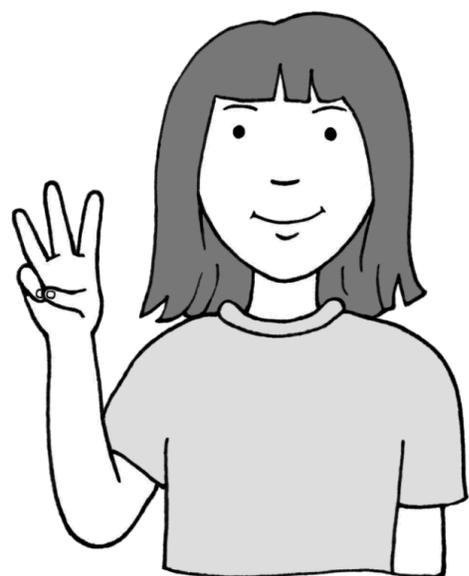
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List

What are the items?

To itemise, list

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Give an **outline**

What are the main ideas?

To outline, show the main features of, summarise

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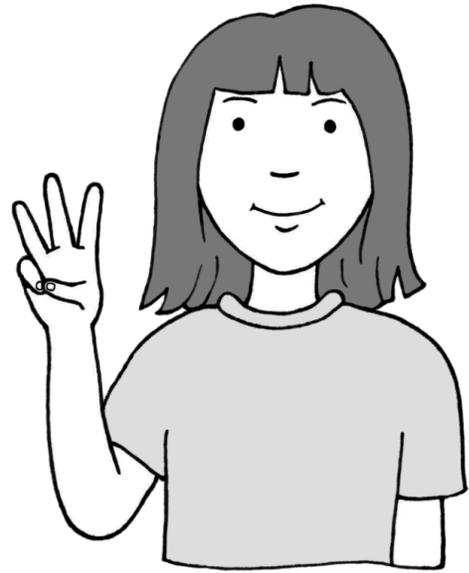
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Follow a **procedure**

What is a method I can follow to make it happen?

To follow a series of steps in order

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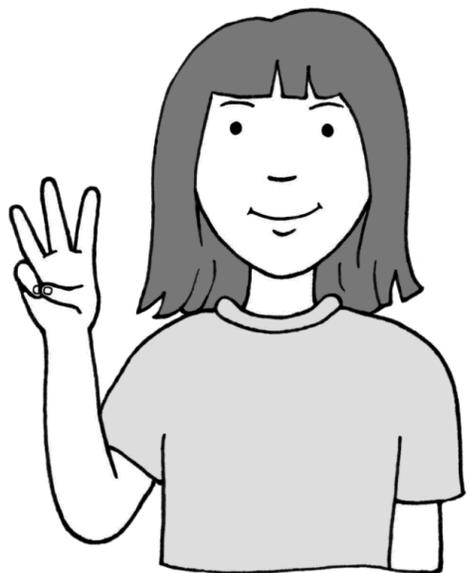
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Calculate

What can you determine from this?

To determine, estimate

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Clarify

Can you give more details?

To simplify, make clear

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Relational

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Connect ideas

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Classify

**What do they have in common?
What are the groups and subgroups?**

To group, categorise, divide, arrange,

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Sequence

**What happened first? What is
the order of the events?**

To sequence, put in order

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Compare contrast

How are they the same? How are they different?

To consider the likeness - similarity and the difference between two things

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Explain causes

Why did it happen? How did it happen? What is the reason for this?

To determine the reasons, give causes, to explain how and why

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Analyse

What are the parts? How do they work together?

To determine the parts or essential features and what they contribute to the whole

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Explain effects

What happened as a result?

To determine the consequence, impact, outcome, effect.

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Organise

How do I arrange these ideas? How do I sort this? How do I keep track?

To arrange, sort, structure

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Distinguish

How does this differ?

To separate on the basis of distinctive features

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Interview

What questions should I ask?

To question, consult, and evaluate thought and actions

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Formulate relevant questions

To ask questions that bring in ideas, connect ideas and extend ideas.

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Apply

How is this relevant? How can I use this?

To make use of, bring into action, put to use

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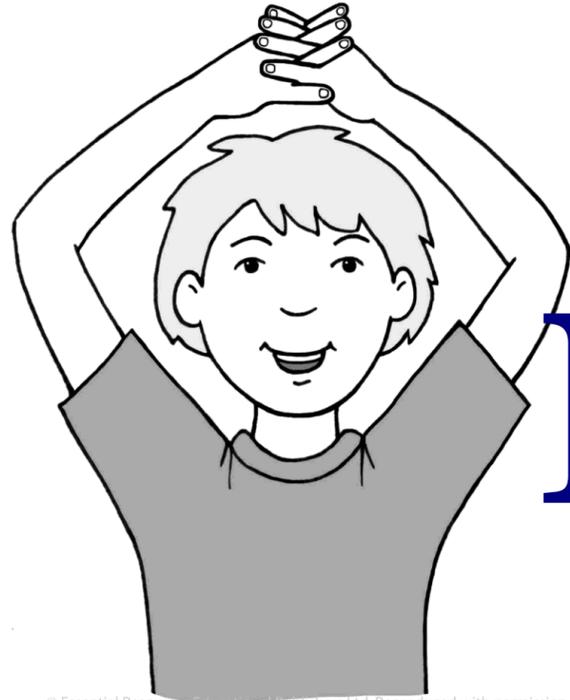
Make an analogy

How can I show the relationship in this case by drawing parallels to the relationship in another case?

To find an analogy between the like features of two different things

A is to B as C is to D

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Extended abstract

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Transfer ideas

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Predict

What do you think will happen next?

To tell in advance, prophesy, foretell

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Evaluate

What is best? Did it succeed? What is the overall effect?

To determine the significance, worth, extent of, value, or impact. To assess or appraise

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Reflect

What am I doing? How well is it going? What should I do next?

To consider or think about. To look back on.

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Make a hypothesis

What can be assumed? What do you propose? How do you explain this?

To make an assumption, a reasoned guess, proposition or conjecture.

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Create

What is a new way of looking at this?

To innovate, devise, construct, generate

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Prove

What supports my idea? What are the objections? How reliable and valid is this evidence?

To determine the evidence for a claim

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Justify

**How can I - ethically or morally-
defend this thought or action?**

Determine the grounds for thought and actions.

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Argue

**What are reasons to support this? What are
the objections? What grounds do I have?**

To provide reasons for and objections to a claim;to debate.

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Plan

How can I make it happen?

To design a method to meet an outcome; to arrange a process of steps to achieve a goal

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Compose

Can I give the idea artistic form? Can I use text, music, drama, dance or visual arts to communicate a message?

To combine parts or elements to form a whole

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Prioritise

What is the most important thing? What do I need to do first?

To arrange or do in order of priority or importance.

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Design

Can I challenge the concept; devise an improved, modified or differently organised version of it?

To plan and make or adapt the form and structure of an object, work of art etc.

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Construct

How can I make it?

To build or form by putting together parts or simpler elements

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Perform

How do I do this?

To carry out, execute or do something. To fulfill an undertaking

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Invent

Can I find a new solution?

To innovate, make up, produce or create with the imagination

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Generalise

**If something is true in this case, is it true in other similar cases as well?
What is the underlying idea?**

To infer, or form a general principle, opinion, conclusion etc. from only a few facts, or examples.

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Discuss

What is the solution to this? To what extent does? What does it make you wonder?

To consider, examine or explore ideas

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Theorise

Can you develop a set of ideas about something that is uncertain?

To speculate

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