




SCUMPS: Thinking starts with *OBSERVATION*. Why does this thing have this...

SIZE rather than other sizes?

COLOR rather than other colors?

USE rather than other uses?




SCUMPS

Why does this thing have this...

MATERIAL rather than other materials?


PARTS rather than other parts?

SHAPE rather than other shapes?




Distinguishing Facts, Non-Facts, and Opinions

- Can this be proven with evidence?
- Has this even already happened in the past?
- Does this statement contain definite words like *is, was, and has?*



Distinguishing Facts, Non-Facts, and Opinions

- Does this statement have definite numerical measurements?
- Was this statement made by a reputable authority?



CAMPER: *thinking critically about reading*

- **C**ONSEQUENCES: What are the consequences of this belief?
- **A**SSUMPTIONS: What are the assumptions being made?
- **M**AIN ISSUE: What is the main issue being discussed?



CAMPER: *thinking critically about reading*

- **P**REJUDICE: Is the information prejudiced in any way?
- **E**VIDENCE & **E**XAMPLES: What is the evidence to support this viewpoint? What are the examples of this?
- **R**ELIABLE & **R**ELEVANT: How reliable and relevant is this evidence or information?



Be a **COOL** thinker!

- **C**LARIFY the issue and the meaning of things being considered.
- Be **O**BJECTIVE by using facts, data, and examples



Be a **COOL** thinker!

- Be **O**PEN-MINDED or fair-minded by considering all viewpoints
- Be **L**OOSE by modifying your viewpoint as you hear new facts.



Creative thinkers are **FIRST**

- **FANTASIZE**: They new ideas
- **INCUBATE**: They incubate, or think ,about an idea for a long time
- **RISKS**: They take risks, despite what others think



Creative thinkers are **FIRST**

- **S**ENSITIVE: They are sensitive to the creativity of nature and humans
- **T**RIGGER: They try to trigger new ways of thinking by being playful and having fun with ideas.



CREATE: creative problem solving

- **C**OMBINE: Can I combine some things in a new way?
- **R**EVERSE: Can I reverse some parts or processes?
- **E**LIMINATE: Can I eliminate some parts or processes?



CREATE: creative problem solving

- **A**LTERNATIVE: Can I use alternative methods or materials?
- **T**WIST: Can I twist things about a bit?
- **E**LABORATE: Can I elaborate or add something?