Explore

Top of Form

**Formal contexts and formal concepts**

* **Many-valued contexts and conceptual scaling**

**QUIZ • 1H**

**Reading concept lattice diagrams**

**Submit your assignment**

**DUE**Jan 19, 11:59 PM PST

**ATTEMPTS**4 every 8 hours

Try again

Retake the quiz in **7h 45m**

**Receive grade**

**TO PASS**80% or higher

**Grade**

98%

View Feedback

We keep your highest score

Reading concept lattice diagrams

Graded Quiz • 1h

**Due** Jan 19, 11:59 PM PST

**Congratulations! You passed!**

**TO PASS**80% or higher

Keep Learning

Retake the assignment in **7h 45m**

**GRADE**

97.5%

**Reading concept lattice diagrams**

**LATEST SUBMISSION GRADE**

97.5%

**1.Question 1**

**Consider the following line diagram showing recommended serving temperatures for some white wines. What are the recommended serving temperatures for Prosecco? Enter the lowest and the highest recommended temperatures separated by a whitespace.**

**A close up of a map

Description automatically generated**

6 8

**Correct**

**1 / 1 point**

**2.Question 2**

**According to the diagram, which wines can be served at any temperature between 9°C and 13°C?**

**A close up of a map

Description automatically generated**

white Burgundy

**Correct**

Yes, white Burgundy can be served at any temperature in the range 8–13°C.

Riesling

Sauvignon blanc

Chardonnay

**Correct**

Yes, Chardonnay can be served at any temperature in the range 9–13°C.

white Rhone

**Correct**

Yes, white Rhone can be served at any temperature in the range 9–14°C.

**1 / 1 point**

**3.Question 3**

**Which statements are true with respect to the wines shown in the diagram?**

**A close up of a map

Description automatically generated**

All wines served at 14°C can be served at 10°C.

**Correct**

All wines served at 9°C can be served at 13°C.

All wines served at 10°C can be served at 14°C.

All wines served at 6°C can be served at 7°C.

**Correct**

**1 / 1 point**

**4.Question 4**

**This concept lattice diagram shows some possible arrangements of two squares of the same size and their properties. According to the diagram, which statements are true? Note that not all such statements must be true in general, i.e., for all possible arrangements of pairs of squares.**

**A close up of a map

Description automatically generated**

If squares overlap and are parallel, then they must have a common vertex.

If squares have a common segment and a common edge, then they must have a common vertex.

**Correct**

The node labeled by "common vertex" is above the node labeled by "common edge". This means that every object with the attribute "common edge" has the attribute "common vertex".

If squares have a common vertex, then they must have a common edge.

If squares have a common edge, then they are parallel and have a common vertex.

**Correct**

The nodes labeled by "parallel" and by "common vertex" are above the node labeled by "common edge". This means that every object with the attribute "common edge" has the attributes "parallel" and "common vertex".

If squares overlap and have a common segment, then they must have a common vertex.

You didn't select all the correct answers

**0.8 / 1 point**

**5.Question 5**

**Here is a concept lattice diagram of Swiss army knives. What are the attributes of “Classic”?**

**A close up of a map

Description automatically generated**

Reamer

Can Opener

Screwdriver

Cap Lifter

Medium Blade

Large Blade

Key Ring

**Correct**

Tweezers

**Correct**

Toothpick

**Correct**

Corkscrew

Phillips Screwdriver

Scissors

**Correct**

Wood Saw

Manicure Blade

**Correct**

Small Blade

**Correct**

Saw Blade

Magnifier

Inch-Metric Ruler

Fish-Scaler

Fine Screwdriver

**1 / 1 point**

**6.Question 6**

**Which knives have a toothpick and a corkscrew?**

**A close up of a map

Description automatically generated**

Spartan

New Tinker

Climber

**Correct**

Camper

**Correct**

Classic

Explorer

**Correct**

Outdoorsman

**Correct**

Champion

**Correct**

**1 / 1 point**

**7.Question 7**

**Which of the following attributes are shared by “Outdoorsman” and “New Tinker”?**

**A close up of a map

Description automatically generated**

Reamer

**Correct**

Can Opener

**Correct**

Screwdriver

**Correct**

Medium Blade

**Correct**

Large Blade

**Correct**

Key Ring

Tweezers

**Correct**

Corkscrew

Scissors

Manicure Blade

**1 / 1 point**

**8.Question 8**

**Find the concept with the smallest extent that contains “Outdoorsman” and “New Tinker”. What other objects are in the extent of this concept?**

**A close up of a map

Description automatically generated**

Spartan

Climber

**Correct**

Climber has all the attributes shared by Outdorsman and New Tinker.

Camper

**Correct**

Camper has all the attributes shared by Outdorsman and New Tinker.

Classic

Explorer

**Correct**

Explorer has all the attributes shared by Outdorsman and New Tinker.

Champion

**Correct**

Champion has all the attributes shared by Outdorsman and New Tinker.

**1 / 1 point**