Applaa UCAT Practice Mock 82

Mock Practice Exam Booklet

Applaa: Socratic Practice Engine

Submit and grade your answers online for instant worked solutions:

https://applaa.com/practice/check?exam=ucat&paper=82

Instructions & Study Method

Welcome to your Applaa offline practice booklet. Please follow these guidelines to maximize your learning outcome:

1. Distraction-Free Practice: Solve the multiple-choice questions in Section 1 under timed conditions. Do not look for shortcuts or answers until you are completely done.

2. Check & Submit Online: We have intentionally excluded the answer key from this printout. To get your score, see worked solutions, and track your progress metrics, open: **https://applaa.com/practice/check?exam=ucat&paper;=82** on any browser. Bubble in your answers in our digital check sheet.

3. Learn with Appy Buddy (AI Socratic Tutor): Applaa is a 100% ad-free educational space. Our online AI Tutor guides you step-by-step through questions you get wrong, showing you how to solve them rather than just giving you the answer.

Section 1: Practice Questions

Question 1 — [Verbal Reasoning / true_false_cant_tell]

Read the passage below and decide if the following statement is True, False, or Can't Tell based on the text. Passage: Public health campaigns in Finland during the late twentieth century made significant progress in combating infectious diseases. In 1977, the incidence rate of Yellow Fever was recorded at 288 cases per 100,000 people. Following a nationwide distribution of protective nets and sanitation improvements, the rate fell to 234 cases per 100,000 people over the next decade. While this decline was celebrated as a major victory, health officials warned that rising temperatures could allow vector populations to rebound in rural regions. Statement: The incidence rate of Yellow Fever per 100,000 people in Finland decreased after the public health campaign.

A: True

B: False

C: Can't Tell

Question 2 — [Verbal Reasoning / true_false_cant_tell]

Read the passage below and decide if the following statement is True, False, or Can't Tell based on the text. Passage: During the mid-nineteenth and early twentieth centuries, global trade networks reshaped national economies. In 1923, the annual production of tin in Switzerland stood at approximately 22 million metric tons. Following key infrastructure improvements and trade agreements with Mexico, production in Switzerland surged to 80 million metric tons by 1935. During this same period, Belgium emerged as the primary global importer of tin, consuming over sixty percent of the total global export supply, although its domestic production remained minimal. Statement: Mexico produced more tin than Switzerland did between 1923 and 1935.

A: True

B: False

C: Can't Tell

Question 3 — [Verbal Reasoning / true_false_cant_tell]

Read the passage below and decide if the following statement is True, False, or Can't Tell based on the text. Passage: During the mid-nineteenth and early twentieth centuries, global trade networks reshaped national economies. In 1857, the annual production of coal in Ukraine stood at approximately 72 million metric tons. Following key infrastructure improvements and trade agreements with Spain, production in Ukraine surged to 100 million metric tons by 1873. During this same period, Morocco emerged as the primary global importer of coal, consuming over sixty percent of the total global export supply, although its domestic production remained minimal. Statement: The annual production of coal in Ukraine was higher in 1873 than it was in 1857.

A: True

B: False

C: Can't Tell

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Question 4 — [Verbal Reasoning / true_false_cant_tell]

Read the passage below and decide if the following statement is True, False, or Can't Tell based on the text.
Passage: Public health campaigns in Turkey during the late twentieth century made significant progress in combating infectious diseases. In 1999, the incidence rate of Tuberculosis was recorded at 243 cases per 100,000 people. Following a nationwide distribution of protective nets and sanitation improvements, the rate fell to 145 cases per 100,000 people over the next decade. While this decline was celebrated as a major victory, health officials warned that rising temperatures could allow vector populations to rebound in rural regions.
Statement: The incidence rate of Tuberculosis per 100,000 people in Turkey decreased after the public health campaign.

A: True
B: False
C: Can't Tell

Question 5 — [Decision Making / venn_deduction]

Based on the Venn diagram, how many members belong to AT LEAST two clubs/groups?

A: 41
B: 36
C: 47
D: 39

Question 6 — [Decision Making / venn_deduction]

Based on the Venn diagram, how many members belong to Dog Owners and Cat Owners but NOT Bird Owners?

A: 12
B: 2
C: 15
D: 7

Question 7 — [Decision Making / error_checking]

How many of the four pictures in the left-hand column are exactly the same as the corresponding picture in the right-hand column?

A: 0
B: 1
C: 2
D: 3
E: 4

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Question 8 — [Decision Making / venn_deduction]

Based on the Venn diagram, how many members belong to AT LEAST two clubs/groups?

A: 39
B: 24
C: 44
D: 34

Question 9 — [Quantitative Reasoning / table_interpretation]

What is the percentage increase in sales of Product Alpha from 2023 to 2025?

A: 0.8%
B: 5.1%
C: 28.3%
D: 13.3%
E: 22.4%

Question 10 — [Quantitative Reasoning / table_interpretation]

What is the percentage increase in sales of Product Gamma from 2023 to 2025?

A: 7.4%
B: 12.8%
C: 2.4%
D: -5.1%
E: -0.8%

Question 11 — [Quantitative Reasoning / table_interpretation]

What is the percentage increase in sales of Product Alpha from 2023 to 2025?

A: 36.2%
B: 40.5%
C: 48.7%
D: 43.7%
E: 57.8%

Question 12 — [Quantitative Reasoning / chart_interpretation]

What is the simplified ratio of the revenue of Dept A to that of Dept C?

A: 3:2
B: 1:4
C: 14:9
D: 3:5
E: 2:1

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Question 13 — [Abstract Reasoning / sequence]

Which of the options completes the sequence shown in the diagram?

A: <svg width="70" height="70" viewBox="0 0 70 70" xmlns="http://www.w3.org/2000/svg" style="background-color:#f8f9fa;border:1px solid #ced4da;"> <g><line x1="30.0" y1="35" x2="60" y2="35" stroke="#000000" stroke-width="2" /><polygon points="10,35 30.0,25.0 30.0,45.0" fill="#000000" stroke="#000000" stroke-width="1" /></g> </svg>

B: <svg width="70" height="70" viewBox="0 0 70 70" xmlns="http://www.w3.org/2000/svg" style="background-color:#f8f9fa;border:1px solid #ced4da;"> <g><line x1="30.0" y1="35" x2="60" y2="35" stroke="#000000" stroke-width="2" /><polygon points="10,35 30.0,25.0 30.0,45.0" fill="#000000" stroke="#000000" stroke-width="1" /></g> </svg>

C: <svg width="70" height="70" viewBox="0 0 70 70" xmlns="http://www.w3.org/2000/svg" style="background-color:#f8f9fa;border:1px solid #ced4da;"> <g><line x1="40.0" y1="35" x2="10" y2="35" stroke="#000000" stroke-width="2" /><polygon points="60,35 40.0,25.0 40.0,45.0" fill="#000000" stroke="#000000" stroke-width="1" /></g> </svg>

D: <svg width="70" height="70" viewBox="0 0 70 70" xmlns="http://www.w3.org/2000/svg" style="background-color:#f8f9fa;border:1px solid #ced4da;"> <g><line x1="40.0" y1="35" x2="10" y2="35" stroke="#000000" stroke-width="2" /><polygon points="60,35 40.0,25.0 40.0,45.0" fill="#000000" stroke="#000000" stroke-width="1" /></g> </svg>

E: <svg width="70" height="70" viewBox="0 0 70 70" xmlns="http://www.w3.org/2000/svg" style="background-color:#f8f9fa;border:1px solid #ced4da;"> <g><line x1="35" y1="30.0" x2="35" y2="60" stroke="#000000" stroke-width="2" /><polygon points="35,10 45.0,30.0 25.0,30.0" fill="#000000" stroke="#000000" stroke-width="1" /></g> </svg>

Question 14 — [Abstract Reasoning / odd_one_out]

Which of the following boxes does not belong with the others?

A: Box A

B: Box B

C: Box C

D: Box D

E: Box E

Question 15 — [Abstract Reasoning / odd_one_out]

Which of the following boxes does not belong with the others?

A: Box A

B: Box B

C: Box C

D: Box D

E: Box E

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Question 16 — [Abstract Reasoning / sequence]

Which of the options completes the sequence shown in the diagram?

A: <svg width="70" height="70" viewBox="0 0 70 70" xmlns="http://www.w3.org/2000/svg" style="background-color:#f8f9fa;border:1px solid #ced4da;"> <rect x="0" y="0" width="70" height="70" rx="4" ry="0" fill="#f8f9fa" stroke="#343a40" stroke-width="2" fill-opacity="1.0" /> <polygon points="49.5,3.9000000000000004 62.1,16.5 49.5,29.1 36.9,16.5" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="54.5,40.9 67.1,53.5 54.5,66.1 41.9,53.5" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="20.5,3.9000000000000004 33.1,16.5 20.5,29.1 7.9,16.5" fill="#888888" stroke="#000000" stroke-width="2" /> </svg>

B: <svg width="70" height="70" viewBox="0 0 70 70" xmlns="http://www.w3.org/2000/svg" style="background-color:#f8f9fa;border:1px solid #ced4da;"> <rect x="0" y="0" width="70" height="70" rx="4" ry="0" fill="#f8f9fa" stroke="#343a40" stroke-width="2" fill-opacity="1.0" /> <polygon points="52.5,7.9 65.1,20.5 52.5,33.1 39.9,20.5" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="20.5,36.9 33.1,49.5 20.5,62.1 7.9,49.5" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="53.5,38.9 66.1,51.5 53.5,64.1 40.9,51.5" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="17.5,4.9 30.1,17.5 17.5,30.1 4.9,17.5" fill="#888888" stroke="#000000" stroke-width="2" /> </svg>

C: <svg width="70" height="70" viewBox="0 0 70 70" xmlns="http://www.w3.org/2000/svg" style="background-color:#f8f9fa;border:1px solid #ced4da;"> <rect x="0" y="0" width="70" height="70" rx="4" ry="0" fill="#f8f9fa" stroke="#343a40" stroke-width="2" fill-opacity="1.0" /> <polygon points="49.5,4.9 62.1,17.5 49.5,30.1 36.9,17.5" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="52.5,36.9 65.1,49.5 52.5,62.1 39.9,49.5" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="14.5,6.9 27.1,19.5 14.5,32.1 1.9000000000000004,19.5" fill="#888888" stroke="#000000" stroke-width="2" /> <polygon points="15.5,40.9 28.1,53.5 15.5,66.1 2.9000000000000004,53.5" fill="#888888" stroke="#000000" stroke-width="2" /> </svg>

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Question 17 — [Situational Judgement / importance]

Scenario: A medical student, Sophia, at St. John's Clinic is deciding whether to raise a complaint about a consultant in hematology who is consistently 15 minutes late to teaching sessions. How important is the following factor to consider? Factor: How popular the consultant is among the rest of the student cohort.

A: Very Important

B: Important

C: Of Minor Importance

D: Not Important at All

Question 18 — [Situational Judgement / appropriateness]

Scenario: A medical student, Ella, is assigned to work with Thomas on a neurology research project at Grace Medical Center. Thomas has not attended meetings or responded to group emails. The project is due in 40 days. How appropriate is the following action? Action: The student sends Thomas a polite message asking him to contribute by tomorrow, copying in the project supervisor.

A: A very appropriate thing to do

B: Appropriate, but not ideal

C: Inappropriate, but not awful

D: A very inappropriate thing to do

Question 19 — [Situational Judgement / appropriateness]

Scenario: A junior doctor, Ruby, notices that a senior registrar at Methodist Hospital has been prescribing atorvastatin at an unusually high dose to multiple patients in the hematology department on a Thursday afternoon. She is confident the dose exceeds safe guidelines. How appropriate is the following action? Action: The junior doctor raises her concern directly with the registrar first, and escalates it to the consultant if the issue remains unresolved.

A: A very appropriate thing to do

B: Appropriate, but not ideal

C: Inappropriate, but not awful

D: A very inappropriate thing to do

Question 20 — [Situational Judgement / importance]

Scenario: A junior doctor, Ruby, at Methodist Hospital is deciding whether to escalate a deteriorating 83-year-old patient in the neurology ward to the registrar on call during the Wednesday day-shift. How important is the following factor to consider? Factor: Whether the registrar will be annoyed or irritated by the call.

A: Very Important

B: Important

C: Of Minor Importance

D: Not Important at All

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■ **Section Complete!**
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Simply bubble in your choices (e.g. A, B, C, D) and get instantly scored! You can then review the explanations or chat with Appy Buddy (AI Socratic tutor) to understand complex concepts.