

Max's Logical Logic-Lab

Learning objective: To develop verbal reasoning skills by identifying analogies, detecting patterns in word relationships, and justifying logical deductions.

Welcome to the Logic-Lab! Max the monkey has gathered these word puzzles to test your linguistic skills. Read the relationships between the word pairs carefully. Think about how the words relate to one another—are they opposites, synonyms, or do they describe a category? Use the word bank for inspiration, but feel free to use your own vocabulary to complete the analogies and explain your reasoning.

Word bank: Synonym · Antonym · Category · Function · Part-to-whole · Scale · Chronological · Degree

1. Analogy Completion: 'Bright is to Radiant as Gloomy is to _____.' Explain the relationship between these words. (2 marks)

2. Identify the Odd One Out: Look at the group: 'Ship, Aeroplane, Bicycle, Cloud'. Which word does not belong? Justify your answer using a clear reason. (3 marks)

3. Word Relationship Mapping: If 'Library is to Books', what is 'Gallery to _____'? Explain why this relationship is similar. (2 marks)

4. Sequence Reasoning: If 'Seed' comes before 'Flower', create your own sequence of three words that follow a chronological process. Explain your sequence. (3 marks)

5. Critical Thinking: 'Large' is to 'Huge' as 'Small' is to 'Tiny'. What is the rule being applied to these pairs? Compare and contrast the intensity of the words. (3 marks)

6. Justification Challenge: Max says that 'Running' and 'Sprinting' are the same. Do you agree or disagree? Justify your answer by explaining the nuance in their meanings. (4 marks)

Extension challenge: Imagine you are designing a new puzzle for Max. Create a 'Double Analogy' where you provide four words that share a complex relationship (e.g., 'Pen is to Write as Scissors are to Cut'). Write a short paragraph explaining why your analogy is logically sound and test it on a partner.