

Max's Mind-Bending Maths & Logic Challenge

Learning objective: To develop verbal reasoning skills including word analogies, classification, and logical deduction in line with Year 5 English expectations.

Max the monkey has been busy creating puzzles! Read each question carefully. For multiple-choice questions, select the best fit. For open-ended questions, provide a clear, logical explanation.

Answer Key: 1.C, 2.A, 3.False, 4.True, 5.Orbit, 6.Anarchy, 7.A, 8.B, 9.Explanation: Because 'heavy' is to 'light' as 'brave' is to 'timid' (antonyms). 10.Extension: Answers will vary but should follow a logical sequence of three steps.

Word bank: Analogy · Classification · Synonym · Antonym · Deduction · Logic

1. 1. Choose the word that completes the analogy: Finger is to Hand as Leaf is to... A) Tree B) Branch C) Stem D) Forest. (Correct: C*) (1 mark)

2. 2. Which word is the 'odd one out'? A) Telescope B) Microscope C) Binoculars D) Compass. (Correct: D - It measures direction, not magnification*) (1 mark)

3. 3. True or False: 'Enormous' and 'Minuscule' are synonyms. (1 mark)

4. 4. True or False: If all monkeys love bananas, and Max is a monkey, then Max loves bananas. (1 mark)

5. 5. Find the missing word: Planet is to [?] as Nucleus is to Cell. (1 mark)

6. 6. Which word is the opposite of 'Order'? A) System B) Anarchy C) Chaos D) Sequence. (1 mark)

7. 7. If 'Brave' is to 'Lion', then 'Wise' is to... A) Owl B) Fox C) Bee D) Elephant. (1 mark)

8. 8. Which of these is a classification for 'Violin', 'Cello', and 'Harp'? A) Brass B) String C) Percussion D) Woodwind. (1 mark)

9. 9. Justify your answer: Why would 'Heavy : Light' be a suitable pair to compare with 'Brave : Timid'? (2 marks)

10. 10. What might happen if we removed the category 'mammal' from the animal kingdom? Explain your reasoning. (2 marks)

Draw: Draw a 'Logic Map' showing how Max the monkey categorises his favourite things, such as fruits, tools, and books, using clear branches and labels.



Extension challenge: Create your own 3-part analogy puzzle for a friend. Explain why your chosen words share a relationship and provide a set of multiple-choice answers where only one is logically correct.