3.55-4 Verbal Reasoning: Logic Set 4: 10-minute Pack

GL ASSESSMENT EP.V66 · about 10 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

This is a 10-minute Verbal Reasoning depth practice on logic and deduction, styled on GL Assessment 11+ multiple-choice papers. It is a fourth, all-new set of reasoning questions on this topic. There are 35 questions across five sections: Deductive Reasoning Statements, Ordering and Ranking, True or False from Information, Day and Time Puzzles, and Family Relationship Puzzles. Every question is worth 1 mark, for 35 marks in total. Difficulty increases through each section and across the pack as a whole, finishing with scholarship-level stretch questions that combine several reasoning steps or hinge on precise family or in-law terminology. For each question, choose the ONE best answer from the options given. No calculator is allowed. Treat every statement in a question as certainly true, however unusual it seems, and base your answer only on what is actually said, never on outside knowledge or guesswork; only choose an option such as 'cannot tell' when the information truly is not enough to be certain, not simply because working out the answer takes several steps.

Worked example (Deductive Reasoning Statements). Statement 1: Every delivery made by Thornfield Bakery before 7am is still warm on arrival. Statement 2: The loaf delivered to Mrs Whitfield arrived at 6:40am. Which conclusion must be true? A) The loaf was made before 7am B) The loaf was still warm on arrival C) All loaves are warm on arrival D) Cannot tell whether the loaf was still warm on arrival E) No loaves are ever delivered after 7am **Answer: B.** Statement 1 tells us that any delivery made before 7am from Thornfield Bakery arrives still warm. Statement 2 confirms the loaf for Mrs Whitfield arrived at 6:40am, before 7am, so by the rule in statement 1 it must have been still warm. Option A wrongly talks about when the loaf was made rather than delivered, which the statements never mention. Option C wrongly extends the rule to every loaf everywhere, rather than only Thornfield Bakery's before-7am deliveries. Option D wrongly claims uncertainty when the two statements combine directly to give a definite answer. Option E introduces an unsupported claim about deliveries after 7am that neither statement makes. Apply this same careful approach throughout the pack, even as the sections move from deductive reasoning statements to ordering and ranking puzzles, true-or-false judgements from short pieces of information, day and time calculations, and family relationship puzzles: treat every statement as certainly true, base your answer only on what is actually said, and only choose 'cannot tell' when the information truly falls short, not simply because a question takes several steps to work through.

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SECTION 1: DEDUCTIVE REASONING STATEMENTS (6 minutes, 7 questions)

1 Each question gives two or three short statements. Treat every statement as certainly true, however unusual it seems, and choose the ONE conclusion that must follow.

Q1. Every parcel handled by Redwell Couriers on a Saturday is delivered by hand, not left on the doorstep. The parcel for Mrs Okafor was handled by Redwell Couriers on a Saturday. Which of the following must be true?

- ☐ A) All parcels are delivered by hand
- ☐ B) The parcel for Mrs Okafor was not handled by Redwell Couriers
- ☐ C) The parcel for Mrs Okafor was left on the doorstep
- ☐ D) No parcels are left on the doorstep on Saturdays by any courier
- ☐ E) The parcel for Mrs Okafor was delivered by hand

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2 (ORDERING AND RANKING) Q10. Jamil is shorter than Kofi. Lena is taller than Jamil. Lena is shorter than Kofi. Who is the shortest?

- ☐ A) Kofi
- ☐ B) Kofi and Lena are the same height
- ☐ C) Cannot tell
- ☐ D) Lena
- ☐ E) Jamil

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3 (ORDERING AND RANKING) Q11. Five friends are queuing for the cinema: Priti, Quinn, Reuben, Sofia and Tomas. Priti is at the front of the queue. Reuben is exactly in the middle. Sofia is directly behind Reuben. Quinn is directly behind Priti. Who is at the very back of the queue?

- ☐ A) Quinn
- ☐ B) Priti
- ☐ C) Reuben
- ☐ D) Tomas
- ☐ E) Sofia

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4 (ORDERING AND RANKING) Q12. In a swimming gala with four competitors, Naomi, Oscar, Petra and Ravi, Oscar finished immediately before Petra. Naomi finished immediately before Oscar. Petra did not finish last. Who finished last?

- ☐ A) Ravi
- ☐ B) Oscar
- ☐ C) Petra
- ☐ D) Naomi
- ☐ E) Cannot tell

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5 (ORDERING AND RANKING) Q13. Four boxes are stacked in the garden shed: Seeds, Tools, Twine and Trays. The Tools box is directly above the Trays box. The Twine box is directly above the Tools box. The Trays box is directly above the Seeds box. What is the order from top to bottom?

- ☐ A) Seeds, Trays, Tools, Twine
- ☐ B) Tools, Twine, Trays, Seeds
- ☐ C) Twine, Tools, Trays, Seeds
- ☐ D) Twine, Tools, Seeds, Trays
- ☐ E) Twine, Trays, Tools, Seeds

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6 (ORDERING AND RANKING) Q14. Six pupils, Rosa, Quentin, Priya, Sami, Tilly and Umar, took part in a chess tournament, and no two finished in the same position. Sami finished immediately before Tilly. Priya finished immediately after Quentin. Umar finished last. Rosa finished before Sami. There are exactly three players between Quentin and Umar. How many players finished between Priya and Umar?

- ☐ A) Three
- ☐ B) None
- ☐ C) One
- ☐ D) Four
- ☐ E) Two

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7 (ORDERING AND RANKING) Q15. Five entrants in a cake competition, Isla, Jayden, Kiran, Leah and Mo, are ranked from 1st to 5th with no ties. Isla finished first. Kiran did not finish first or last. Jayden finished immediately before Leah. Mo finished immediately after Kiran. Who finished last?

- ☐ A) Mo
- ☐ B) Cannot tell for certain
- ☐ C) Leah
- ☐ D) Kiran
- ☐ E) Jayden

SECTION 3: TRUE OR FALSE FROM INFORMATION (6 minutes, 7 questions)

8 Each question gives one or more facts about an everyday situation. Treat every fact as certainly true and choose the ONE statement that must be true.

Q16. Fact 1: Snowdon is the highest mountain in Wales.
Fact 2: Snowdon is inside Snowdonia, the largest national park in Wales.
Which statement must be true?

- ☐ A) The highest mountain in Wales is located in the largest national park in Wales
- ☐ B) Snowdonia is not the largest national park in Wales
- ☐ C) All national parks in Wales contain the highest mountain
- ☐ D) Cannot tell where the highest mountain in Wales is located
- ☐ E) Snowdonia does not contain the highest mountain in Wales

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9 (TRUE OR FALSE FROM INFORMATION) Q17. Fact 1: The 07:52 train to Norwich calls at every request stop on its route.
Fact 2: Patchway is a request stop on the 07:52 train's route.
Which statement must be true?

- ☐ A) The 07:52 train does not call at Patchway
- ☐ B) Patchway is not on the local line
- ☐ C) Every train calls at Patchway
- ☐ D) Cannot tell whether the 07:52 train calls at Patchway
- ☐ E) The 07:52 train calls at Patchway

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10 (TRUE OR FALSE FROM INFORMATION) Q18. Fact 1: All the tins on the top shelf of the pantry are past their best-before date.
Fact 2: The tin of chopped tomatoes is on the top shelf of the pantry.
Which statement must be true?

- ☐ A) The tin of chopped tomatoes is not past its best-before date
- ☐ B) All tins in the pantry are past their best-before date
- ☐ C) The tin of chopped tomatoes is past its best-before date
- ☐ D) The tin of chopped tomatoes is not on the top shelf
- ☐ E) Cannot tell whether the tin of chopped tomatoes is past its best-before date

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11 (TRUE OR FALSE FROM INFORMATION) Q19. Fact 1: No visitors are allowed to feed the animals at Hazelbrook Farm Park.
Fact 2: Oliver fed one of the goats at Hazelbrook Farm Park.
Which statement must be true?

- ☐ A) Feeding animals is allowed on some days
- ☐ B) Oliver followed the farm park rules
- ☐ C) Oliver was not at the farm park
- ☐ D) Oliver broke the farm park rules
- ☐ E) Cannot tell whether Oliver followed the rules

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12 (DEDUCTIVE REASONING STATEMENTS) Q2. Every player who wears the number 9 shirt for Marsh Green United plays as a striker. Josh wears the number 9 shirt for Marsh Green United. Which of the following must be true?

- ☐ A) Josh plays as a striker
- ☐ B) No other player wears the number 9 shirt for Marsh Green United
- ☐ C) Josh does not play as a striker
- ☐ D) All players at Marsh Green United are strikers
- ☐ E) Josh does not wear the number 9 shirt

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13 (TRUE OR FALSE FROM INFORMATION) Q20. Fact 1: Some of the allotment plots at Elm Road need a new water butt.
Fact 2: Plot 14 is the only allotment plot at Elm Road that needs a new water butt.
Which statement must be true?

- ☐ A) Plot 14 does not need a new water butt
- ☐ B) Plot 14 needs a new water butt
- ☐ C) Cannot tell whether Plot 14 needs a new water butt
- ☐ D) All allotment plots at Elm Road need a new water butt
- ☐ E) Plot 14 is not at Elm Road

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Mark scheme · 3.55-4 Verbal Reasoning: Logic Set 4: 10-minute Pack

Question 1

E) The parcel for Mrs Okafor was delivered by hand - the parcel meets the stated condition (a Saturday delivery by Redwell Couriers), so the rule applies directly. **B1**

Answer: E) The parcel for Mrs Okafor was delivered by hand

Question 2

E) Jamil - the order Jamil < Lena < Kofi places Jamil at the bottom. **B1**

Answer: E) Jamil

Question 3

D) Tomas - the order Priti, Quinn, Reuben, Sofia, Tomas (front to back) places Tomas at the back. **B1**

Answer: D) Tomas

Question 4

A) Ravi - Naomi, Oscar and Petra must fill the first three places in order, since Petra did not finish last, leaving Ravi last. **B1**

Answer: A) Ravi

Question 5

C) Twine, Tools, Trays, Seeds - the three 'directly above' clues chain into one fixed order. **B1**

Answer: C) Twine, Tools, Trays, Seeds

Question 6

E) Two - working through all five clues gives the order Rosa, Quentin, Priya, Sami, Tilly, Umar, with Sami and Tilly between Priya and Umar. **B1**

Answer: E) Two

Question 7

B) Cannot tell for certain - two different valid rankings satisfy every clue, and they give different entrants in last place. **B1**

Answer: B) Cannot tell for certain

Question 8

A) The highest mountain in Wales is located in the largest national park in Wales - directly combining facts 1 and 2. **B1**

Answer: A) The highest mountain in Wales is located in the largest national park in Wales

Question 9

E) The 07:52 train calls at Patchway - it calls at every request stop, and Patchway is one. **B1**

Answer: E) The 07:52 train calls at Patchway

Question 10

C) The tin of chopped tomatoes is past its best-before date - it is on the top shelf, and every tin there is past its best-before date. **B1**

Answer: C) The tin of chopped tomatoes is past its best-before date

Question 11

D) Oliver broke the farm park rules - fact 1 forbids feeding animals with no exceptions, and fact 2 confirms Oliver fed a goat. **B1**

Answer: D) Oliver broke the farm park rules

Question 12

A) Josh plays as a striker - wearing the number 9 shirt for Marsh Green United guarantees playing as a striker, and Josh meets that condition. **B1**

Answer: A) Josh plays as a striker

Question 13

B) Plot 14 needs a new water butt - fact 2 states this directly. **B1**

Answer: B) Plot 14 needs a new water butt

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