

Past-paper walk-through

The Brain ■ 1.4

eXercise

Questions in this set

- 2024 Set 1 Q1 ■ 7 marks

Reading the mark scheme

- **B1** a mark that stands on its own – the point is either made or not.
- **M1** a *method* mark: the right approach, even if the number is wrong.
- **A1** an *answer* mark, and it usually needs its M mark first.
- **C1** a working mark on the way to the answer.
- **//** separates answers the examiner accepts equally.
- **ecf** = error carried forward: a later part is marked on your own earlier answer.
- **owtte** = “or words to that effect” – the wording need not match.

Question 1

2024 Set 1 ■ Q1 ■ 7 marks

Concept Application. Gavin's parents took him to his favorite science museum, and he explored all of the exhibits. One of the interactive exhibits featured glass marbles. He grabbed a large marble and tried to bounce it on the ground. At one point during the visit, he became separated from his parents, and it took a few minutes for them to find him. Later that night, he drew a colorful picture of the exhibits at the museum. The next day, Gavin brought his picture with him to preschool. While his grandmother drove, Gavin talked to her about the picture.

Part A ■ Explain how Jean Piaget's concept of assimilation could relate to Gavin's experience with the glass marble. ■ Explain how egocentrism could relate to how Gavin interacted with his grandmother in the car. ■ Explain how avoidant attachment could relate to Gavin when he was separated from his parents.

Part B Explain how each of the following terms could relate to Gavin in this

Question 1

scenario. ■ Serial position effect ■ Motor cortex ■ Cognitive map ■ Cones in the retina

Solution 1

- Concept Application, 7 points. Points — Explain how Jean Piaget's concept of assimilation could relate to Gavin's experience with the glass marble. — Response must indicate that Gavin attempts to treat the glass marbles like "balls" by trying to bounce them on the ground. | Explain how egocentrism could relate to how Gavin interacted with his grandmother in the car. — Response must indicate that Gavin only considers his own perspective or assumes that others know what he knows when interacting with his grandmother. | Explain how avoidant attachment could relate to Gavin when he was separated from his parents. — Response must indicate a lack of distress when separated from his parents.

Solution 1

- General notes: spelling and grammar do not reduce a score; a definition alone does not earn a point, the concept must be applied to the scenario.