

**Parent & Child Webinar:
What is the CAT4 Test & How do I prepare my Child?**



In collaboration with

**BARBARA GLASMACHER
INTERNATIONALE SCHULBERATUNG**

Shaping Thinking
Inspiring Achievement
Creating Future Leaders

Max

Insight Academy Head of Business



Max graduated from the University of Cambridge with an undergraduate degree in Education with English and Drama, and now pursues a Masters in Film Studies at King's College, London. Throughout his undergraduate study, Max enjoyed discussing the value of media and literature and used his acting experiences in student and professional productions to hone his knowledge. Max has run drama workshops to schools and colleges in China, South Korea and Japan, and has experience of teaching English and English Literature across a variety of age groups. Working full-time as a teaching assistant in primary and secondary schools, Max has run specialist education to pupils with learning difficulties. Above all else, Max enjoys cultivating critical engagement and discussion with subject material and wants to help students develop the skills to explore their areas of interest with academic rigour. Working as a tutor for Insight, Max consistently builds strong rapport with his students. He uses his degree knowledge to engage students in learning English to prepare for UK Boarding School entrance, GCSE, A level and IB English Literature, Theatre and Media Studies.

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Larissa (Chemistry & Mathematics Tutor)



Larissa is educated in Medicine at King's College London. She is also a professional tutor with experience of tutoring 1:1 GCSE and A-Level Mathematics and Chemistry, as well as beginner-level English. Having achieved A*s at A-Level in her subjects, she utilises her experience and shares her skills and revision tips to improve her students' confidence in subject content. She puts an emphasis on finding interactive and proactive ways to teach the curriculum and spends time preparing her lessons according to the individual needs of each student. Her students, aged between 7 and 18, come from various backgrounds, including from abroad to attend UK boarding school. Entering British boarding schools as an international student herself, Larissa was elected house captain and finds it equally important to focus on the mental wellbeing of students to ensure that they feel supported and encouraged in her lessons. She finds that this fosters good foundations for learning when a student is involved in their learning. Larissa employs an empathetic, structured listening and questioning technique in her tutorials that allows her students to develop intellectually and emotionally. In her free time, Larissa engages in music, reading, and artistic endeavours such as painting or pottery.

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People Who Care: Our Directors

Joyce Connell is our Founder. She holds a MA (Oxon) from Oxford University in History and completed an MSc at Birkbeck University whilst previously working full-time for Her Majesty's Government, UK. She runs the UK's only Oxbridge Mentoring Programme (OMP), helping students access Oxford and Cambridge universities. For over 16 years, she has successfully advised students into top UK boarding schools and universities. Alongside Insight's core programmes, she runs workshops to help prepare students for interviews. Passionate about raising educational standards worldwide, she enjoys new projects and working with like-minded others.



Mark Cousins is Head of School & University Counselling and enjoys using a personalised, interactive approach in his work when brainstorming personal statements with students. In his previous career, he was previously a research and information manager for two London Mayors. He brings his research, creative design and public speaking skills to Insight business planning, presentations and training. He enjoys conducting headmaster mock interviews, challenging pre-conceptions about topical issues and perceived truths behind scientific research that helps students adopt more original perspectives. He is keen on creative approaches to bring learning to life.

Our Road-map of Expertise



www.insight-academy.co.uk

- ✓ Short courses (as group-based online classes)
- ✓ Insight Odyssey (Summer School)
- ✓ Cambridge & IELTS English classes
- ✓ **1:1 Tuition for UK School Entrance Tests**
- ✓ Running Workshops online and in-person



www.insight-ed.co.uk

- ✓ University Mentoring
- ✓ Private 1:1 Tutoring (IGCSE, A level, IB)
- ✓ 1:1 Career Mentoring
- ✓ Teacher Training
- ✓ Educational Consultancy

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What is the CAT4?

CAT4 stands for **C**ognitive **A**bility **T**est, which evaluates **4** key skills:

- ✓ **Verbal Reasoning**
- ✓ **Non-Verbal Reasoning**
- ✓ **Quantitative Reasoning**
- ✓ **Spatial Reasoning**

Each a vital skill for study and work alike

Gives indication to schools and teachers the level of assistance a student may need

Timed assessment in formal conditions

The Problem

- Understanding the description of skills that are being tested
- Conflicting advice on whether to prepare for CAT4
- Very few resources for CAT4; of those resources many are not free
- 7 different levels of CAT4; not clear how they differ
- No set ways to practise the 4 key skills
- Language barrier in understanding the question

The solution

1. Understanding what questions are *really* asking through **familiarisation** with the “format” and “type” of question
2. **Demonstrate** the thinking process & **engage** the student in learning how to answer question
3. Using **Tips** and **tricks** in the thinking process to correctly answer questions

Verbal Reasoning

The following question is a **Verbal Classification** question. Verbal classification questions introduce three words that share a certain connection. You must choose the word from the answer choices that share the **same connection**.

Read Calculate Swim

- A. See
- B. Bike
- C. Abilities
- D. Feel
- E. Dream

- ✓ Logical Deduction
- ✓ Rational Thinking

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Verbal Reasoning

In each of the following sentences, a word of **four letters** is hidden at the **end** of one word and the **beginning** of the following word. Find the two words that contain the hidden word and mark these two words on the answer sheet.

Example

He was ignorant of the facts.

Answer

was ignorant
(The hidden word is **sign**.)

QUESTION 35

He was definitely an ambitious type.

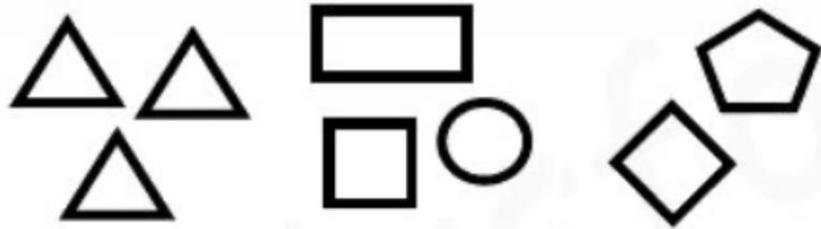
QUESTION 36

So then they drove straight on.

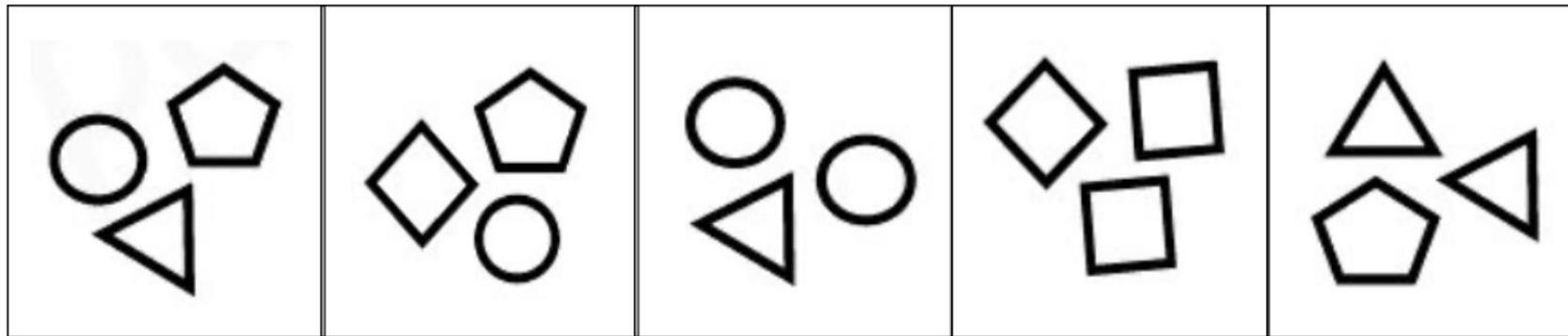
- ✓ Logical Deduction
- ✓ Rational Thinking

Non-Verbal Reasoning

Question 14 of 16



Select one shape below which is most related to the shapes above:



- ✓ Rapid Visual Analysis
- ✓ Identify Patterns
- ✓ Identify & eliminate wrong answers

Non-Verbal Reasoning

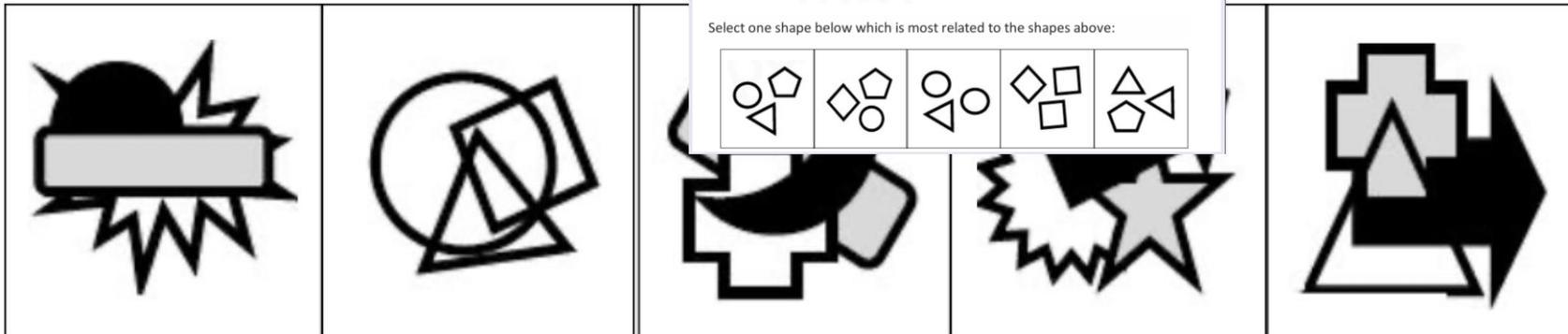


Select one shape below which is most related to the shapes above:

Question 14 of 16



Select one shape below which is most related to the shapes above:



- ✓ Rapid Visual Analysis
- ✓ Identify Patterns
- ✓ Identify & eliminate wrong answers

Quantitative Reasoning

Directions

Each of these questions starts with two numbers that are linked together in some way. Next there are two more numbers that are linked in exactly the same way. You have to work out how the numbers are linked and then complete the third pair. Look at the example below.

[2 → 3] [9 → 10] [6 → ?] A 3 B 4 C 5 D 6 E 7

- ✓ Mathematic Sequencing
- ✓ Mental Maths

Quantitative Reasoning

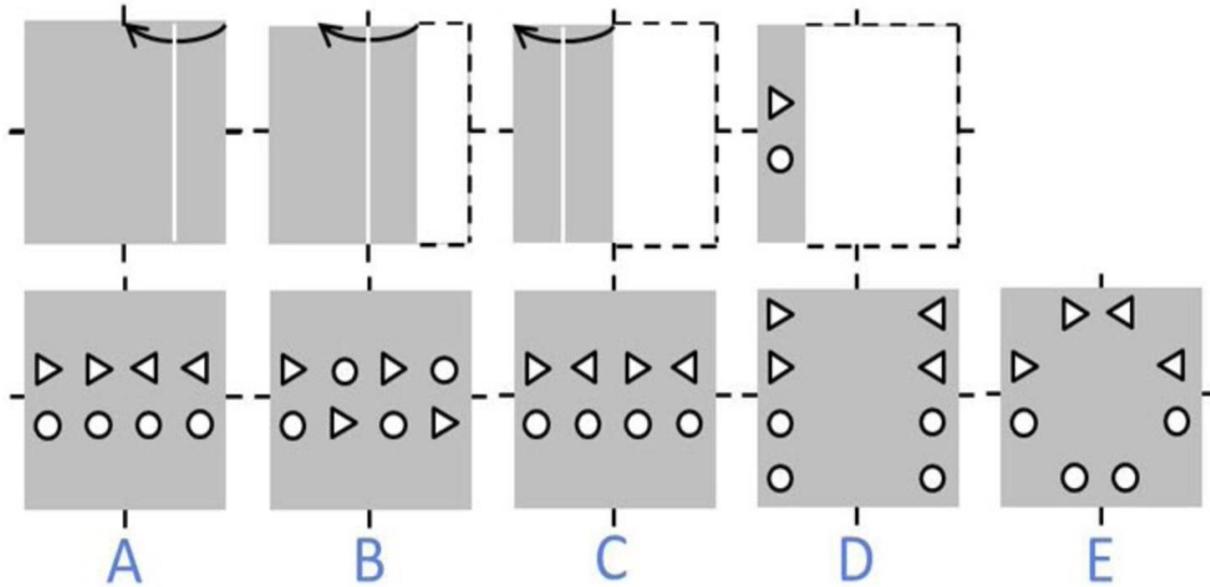
Work out the missing number in the following sequence:

1 12 45 ? 441

- 134
- 135
- 137
- 144
- 147

- ✓ Mathematic Sequencing
- ✓ Mental Maths

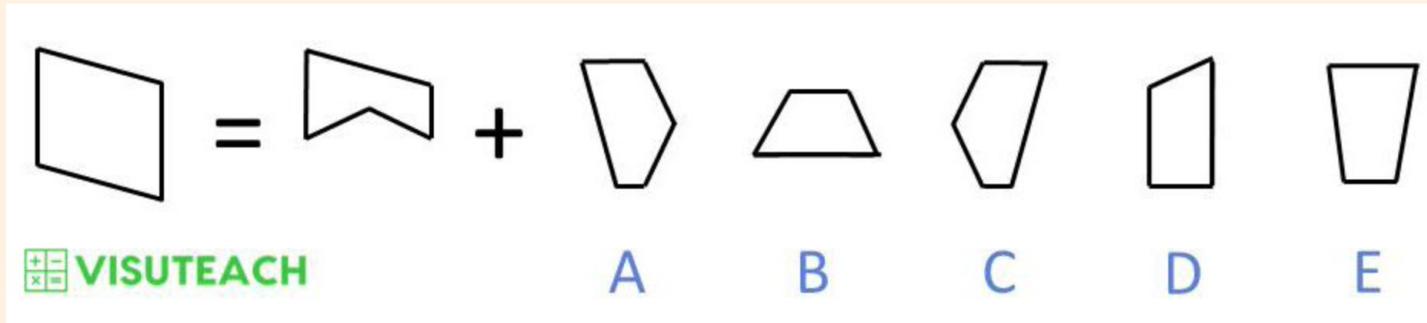
Spatial Reasoning



This question is about folding paper and punching holes in it. You must decide how the paper would look when it is unfolded. Choose which of the five squares beneath the folded squares shows how the paper would look when it is unfolded.

- ✓ Geometric awareness
- ✓ Mental Model Building
- ✓ Reverse-Deduction

Spatial Reasoning



This question is a jigsaw question where you have to add two jigsaw sections to form the complete shape to the left of the equals sign. You have to find the **missing section** which forms the complete shape when added to the jigsaw section to the right of the equals sign. The missing section may have to be spun around to make it fit. Choose the missing section from the five options.

A

- ✓ Geometric awareness
- ✓ Mental Model Building
- ✓ Reverse-Deduction

Some Resources:

More information and free Non-Verbal Reasoning test:

<https://schoolentranceexam.com/what-type-of-questions-are-in-a-cat4-test/>

Paid Quantitative Reasoning test:

https://www.schoolentrancetests.com/2019/07/cat4-practice-test/?stamp=1666088277&watupro_is_certificate=0&PayerID=ETZBAYWLBDZY8

Paid Verbal Reasoning, Non-Verbal Reasoning & Spatial Reasoning tests:

<https://visuteach.com/>

Video tutorials and paid resources:

<https://robwilliamsassessment.co.uk/cat4-practice-tests/>

CAT4 Weekend Course



29-30 October & 5-6 November
(1.5hrs per day; 6hrs total) = £100.00 per child

For more information & to secure your place email:
hello@insight-academy.co.uk

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