



WIRRAL
GRAMMAR SCHOOL
FOR BOYS

In Year Testing

CAT 4 admission tests



Discover, Thrive, Belong

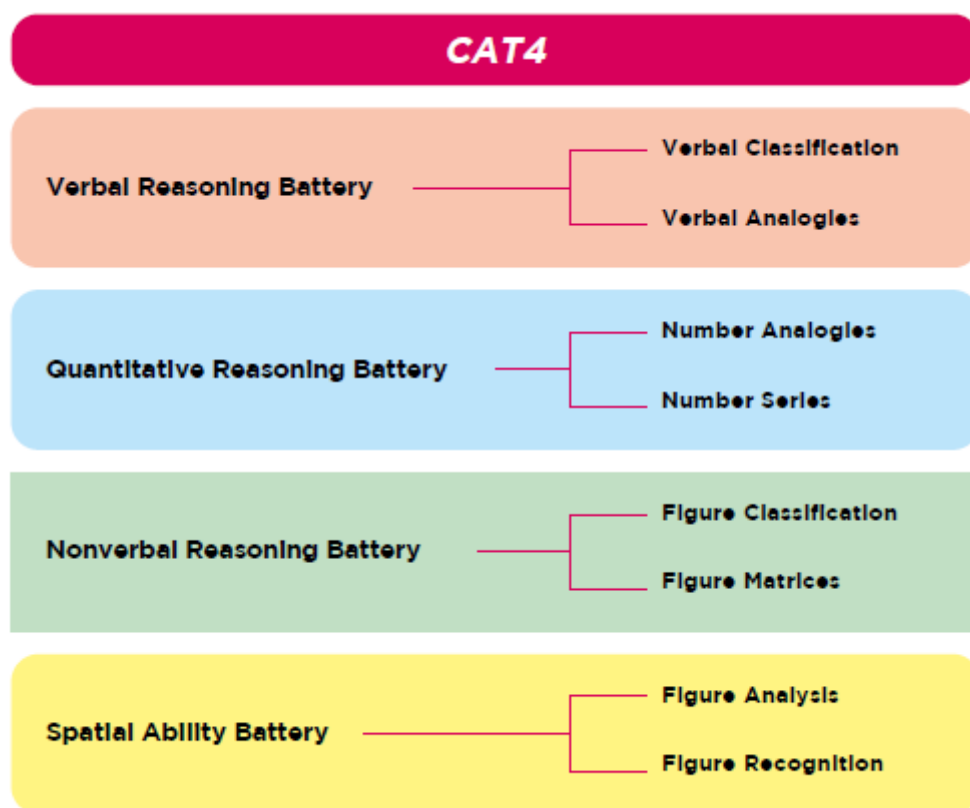


In order to assess a student's academic abilities and likely academic potential, the school is supported by information gained from the CAT 4 tests. CAT4 comprises four batteries of tests (sets of questions) that assess the main types of mental processing that play a substantial role in human thought. All four series of questions are equally weighted in the outcomes. There are elements of the assessments that students who have taken the 11+ tests will be familiar with.

Each section has two parts making 8 short tests. In this school, students will sit the digital version of the test; they will be working on computers. There is more information in 'On the Day of the Test' section regarding this.

In this section, we will explain what is in each section of questions. There will be an example followed by 3 practice questions. The answers for these questions can be found at the back of this document. The questions are for familiarisation only; they may not represent the standard seen in the real assessments.

What is in each of the four question sets (batteries)?





Verbal Reasoning Battery (questions)

Verbal Classification

In the Verbal Classification test, each question presents three words that are all similar in some way. Students have to identify the conceptual link between the three words and then select from a list of five further words the one which best fits with the first three.

Example

doubtful confusing vague

A false

B hidden

C insecure

D uncertain

E fearful

Practice

green blue red

A colour

B crayon

C paint

D yellow

E rainbow

rain fog sunshine

F winter

G snow

H weather

J dark

K night

happy sad frightened

L tall

M feel

N think

P new

Q angry

Verbal Analogies

In the Verbal Analogies test, each question presents a verbal analogy in the form of 'A→B: C→_'. Students have to work out how the first pair of words is related to each other and then select from five answer options the one that completes the second pair.

Example

blue → colour : socks →

A clothing

B feet

C shoes

D pair

E wear



Practice

new → **old** : **wet** →

A rain

B drip

C hot

D sun

E dry

cow → **milk** : **chicken** →

F feather

G dinner

H egg

J hen

K bird

carpet → **floor** : **curtain** →

L window

M shade

N hang

P drapes

Q cloth

Quantitative Reasoning Battery

Number Analogies

In the Number Analogies test, each question presents three pairs of numbers, such as '4→6, 8→10, 9→_'. Students have to work out how the pairs of numbers are related and then complete the third pair by selecting the answer from the five options presented.

Example

[5 → 13] [11 → 19] [6 → ?] **A** 9 **B** 12 **C** 14 **D** 16 **E** 18

Practice

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

[5 → 4] [8 → 7] [3 → ?] **F** 1 **G** 2 **H** 3 **J** 5 **K** 6



[1 → 2] [5 → 10] [4 → ?] L 5 M 7 N 8 P 9 Q 10

[3 → 7] [5 → 11] [4 → ?] R 5 S 6 T 8 U 9 V 10

Number Series

In the Number Series test, students have to work out the rule underlying the progression in the number series in each question and then select the next number in the series from the five options presented.

3 7 15 31 63 → A 94 B 96 C 97 **D 127** E 137

Practice

15 14 13 12 → A 9 B 10 C 11 D 13 E 14

5 10 15 20 → F 25 G 30 H 35 J 40 K 45

18 5 17 7 16 9 → L 11 M 12 N 13 P 14 Q 15

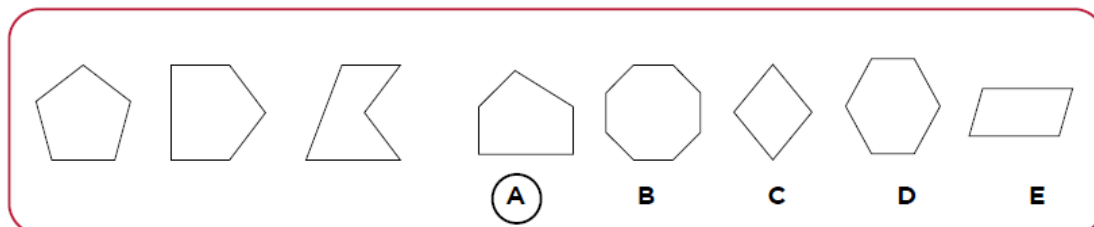
Non-Verbal Reasoning Battery

Figure Classification

In the Figure Classification test, each question presents students with three separate figures and they have to identify the conceptual link or underlying characteristic that all three figures have in common. They then have to select the one figure from five answer options that goes with the first three.



Example



Practice

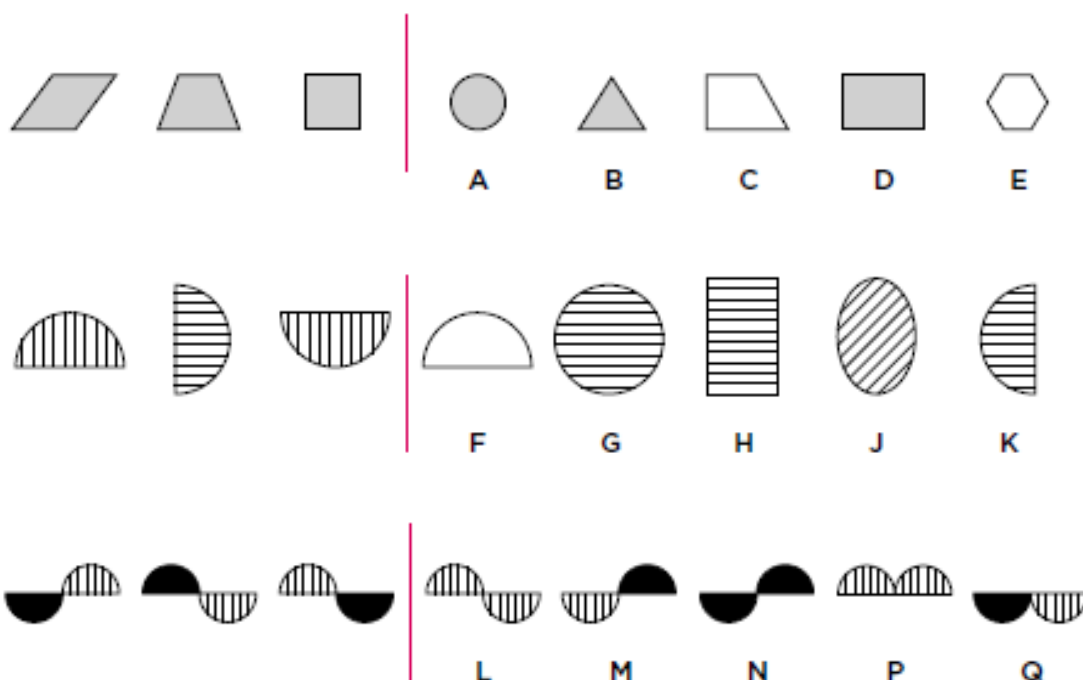
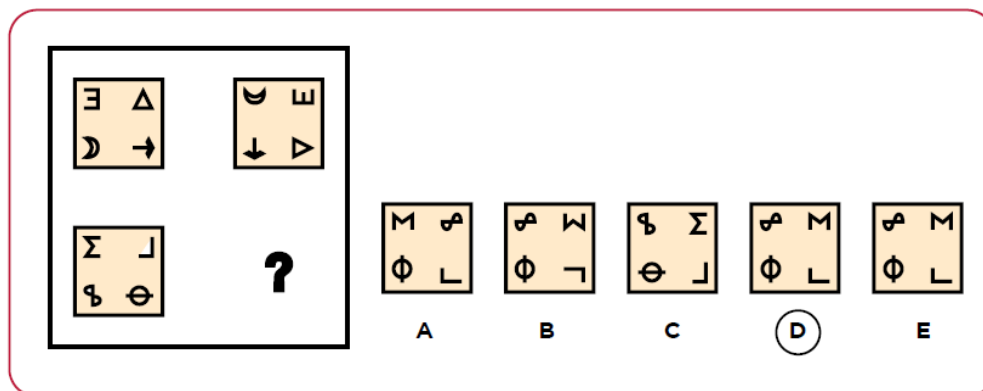


Figure Matrices

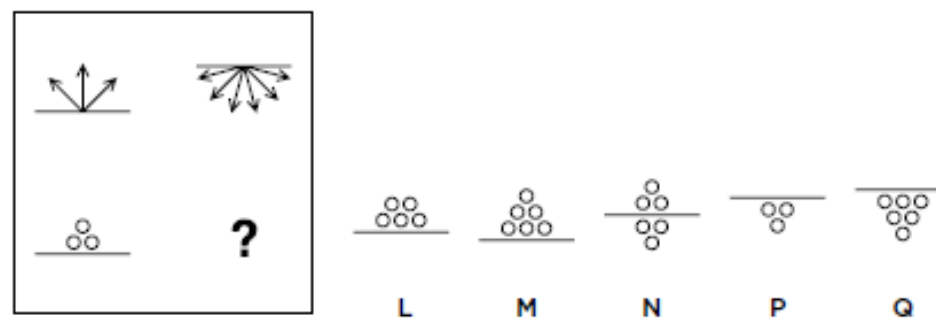
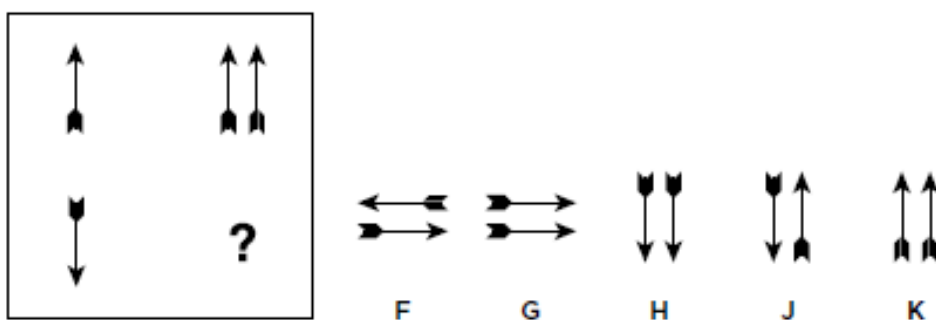
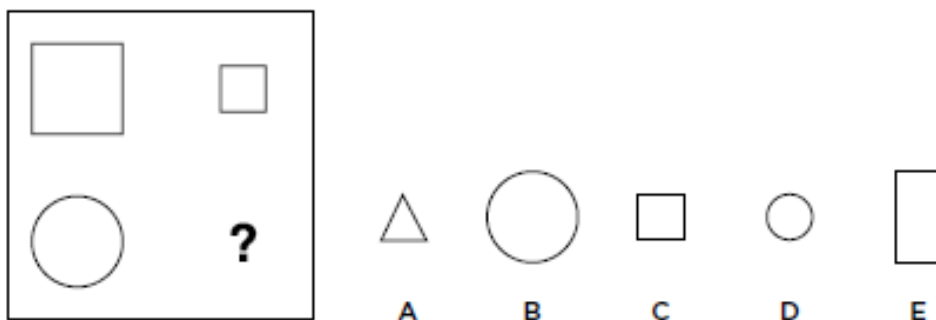
In the Figure Matrices test, each question presents a figural analogy in the form of 'A→B, C→_'. Students have to work out how the first pair of figures is related to each other and then select from five answer options the one that completes the second pair.

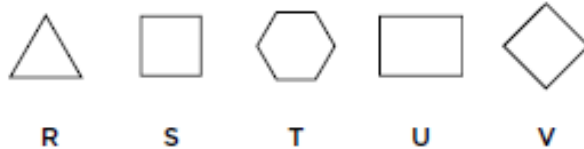
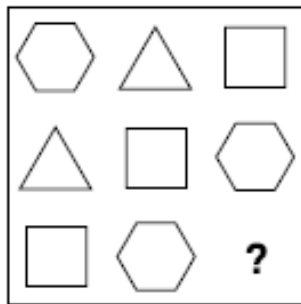


Example



Practice



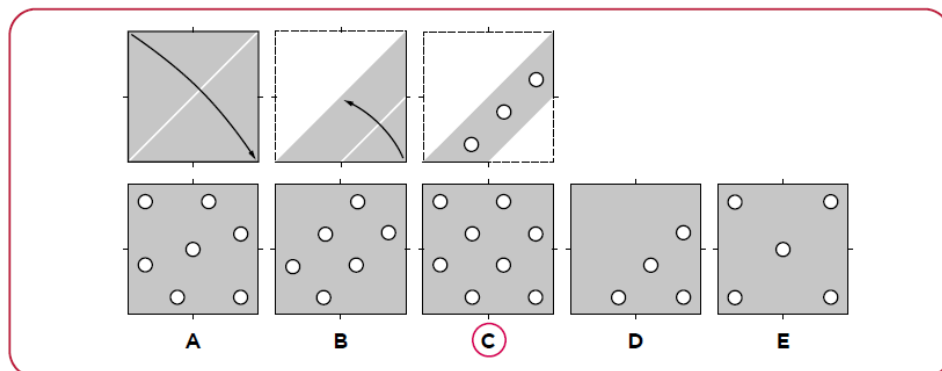


Spatial Ability Battery

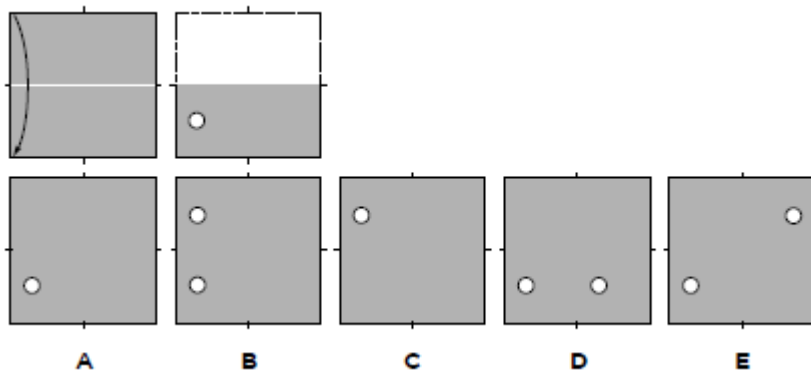
Figure Analysis

In the Figure Analysis test, each question presents students with a square that is repeatedly folded and then has one or more holes punched through it. Students have to work out what the final product would look like when unfolded and select this from the five answer options provided.

Example



Practice



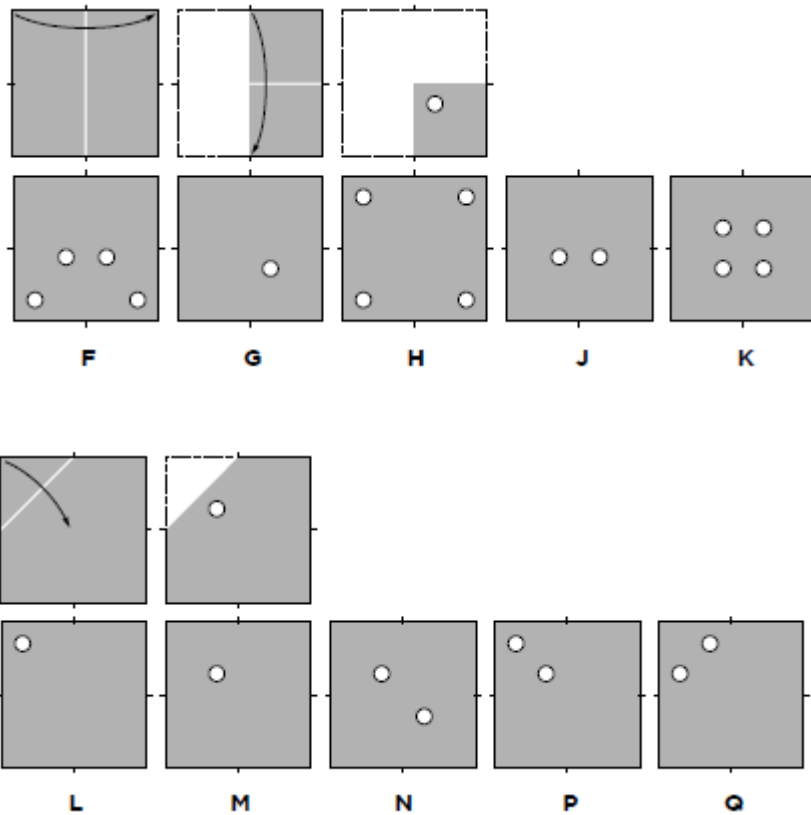
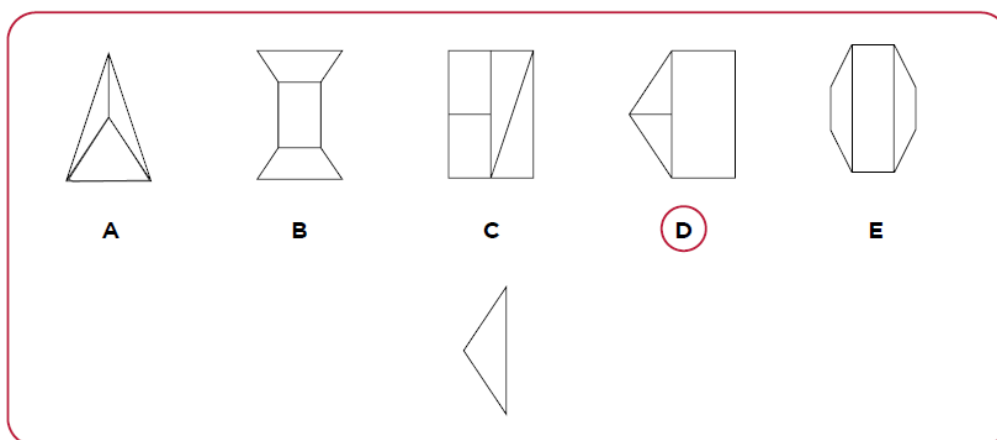


Figure Recognition

In the Figure Recognition test, students are shown five complex designs as line drawings with a target shape below. Students have to identify which of the five designs contains the exact same size outline of the target, including each side in full.

Example

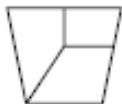




Practice



A



B



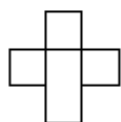
C



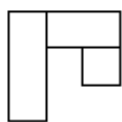
D



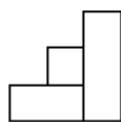
E



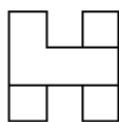
F



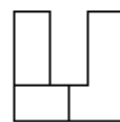
G



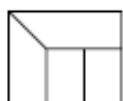
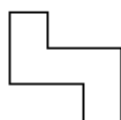
H



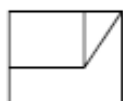
J



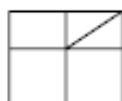
K



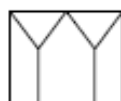
L



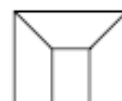
M



N



P



Q





On the Day of the Test

The time taken on each section of the CAT 4 tests is as follows – it is in 3 sections with the Quantitative Reasoning (Number Analogies & Number Series) being split over Part 2 and Part 3. There is NO extra time given to students who have additional needs. The assessors have considered this in advance; the papers are accessible to all. We find that all students are capable of completing the assessment in the times given.

CAT4 Digital Levels A to G	Test time*	Approximate time needed for instructions, examples and practice items	Approximate length of test session
Part 1			
Figure Classification	10 minutes	5 minutes	30 minutes + settling time
Figure Matrices	10 minutes	5 minutes	
Part 2			
Verbal Classification	8 minutes	5 minutes	41 minutes + settling time
Verbal Analogies	8 minutes	5 minutes	
Number Analogies	10 minutes	5 minutes	
Part 3			
Number Series	8 minutes	5 minutes	41 minutes + settling time
Figure Analysis	9 minutes	5 minutes	
Figure Recognition	9 minutes	5 minutes	

The students will be taken into a quiet computer room where they will be asked to sit at one of the PCs. The room is set out as below –



The room will be supervised by an invigilator who will be checking on the students' progress and ensure the usual expectations of behaviour.

The students will log into a computer using an access code given to them on the day and will be told they are going to be taking a short reasoning test. All the instructions are given on screen and via the audio. They will be given an opportunity to do some practice questions. All directions, examples and practice items are part of the test and are delivered on screen.



Each section is timed and will take approximately 40 minutes. There is a timer on the screen for the tests which counts down. This cannot be overridden as the tests in CAT4 are strictly timed. If a student does not reach the end of the test in the given time, the test will time out and the student will be moved to the next section or will exit the test. Students cannot move onto the next section before the time is up.

The students will sit the tests in the three Parts; there will be a minimum of 5 minutes between each Part which should help the students refresh. When the final Part is complete, the students will be given instructions on how to complete the process.

Things required on the day.

As the CAT 4 tests are completed online, they will only require a drink for the breaks and some headphones to be able to listen to the audible instructions. The headphones **MUST** be the type that have the rounded jack; Bluetooth headphones will **NOT** work.



Do not worry or panic if you do not have them or they have been forgotten; we have a few spare sets in school, just in case. They will not need anything else. They won't require pens, pencils etc.

When the tests are completed, the students will leave the room and can be collected from school. We will provide specific instructions for each test session as they do not always start at the same time.

The results will be presented to the Local Authority, who will provide you with the decision on whether your son has gained a place at the school, or otherwise.



Answers to practice questions

Verbal Reasoning

Verbal Classification

D, G, Q

Verbal Analogies

E, H, L

Quantitative Reasoning

Number Analogies

E, G, N, U

Number Series

C, F, Q

Nonverbal Reasoning

Figure Classification

D, K, M

Figure Matrices

D, H, Q, R

Spatial Ability

Figure Analysis

B, K, P

Figure Recognition

B, J, Q