

GL Trafford Mock 3 Paper A



Paper A

Approx. 60 minutes

64 marks

- This paper is divided into smaller, individually-timed sections that test Verbal Reasoning, Mathematics and Non-Verbal / Spatial Reasoning.
- Each section starts with some untimed practice questions.
- All answers should be marked on the separate answer sheet provided.

**Please turn over the page to begin the Verbal Reasoning
Practice section.**

Verbal Reasoning Practice

(Untimed)

This practice section gives an example of the sort of questions you will be faced with in this test, with the correct answer filled in on the answer sheet so that you can see how to do it.

There are also some practice questions that don't have the answers filled in, so that you can practise working them out for yourself and filling in the answer sheet.

Read this passage carefully and then answer the questions that follow.

The Keeper of the Light

- 1 The lighthouse had stood at the cliff's edge for over a century, its white walls bleached
2 pale as bone by the salt wind. Every evening, old Maren climbed the spiral staircase
3 alone, her knees aching with the familiar effort. She did not mind. The moment the great
4 lamp blazed to life, flooding the dark water below with gold, the tiredness left her
5 entirely. Ships crept past in the distance like slow thoughts, and Maren watched each
6 one until it vanished into the horizon. She had never once let the light go out.

Answer these questions. Look at the passage again if you need to. You should choose the best answer and mark its letter on your answer sheet.

A Example

What does the final sentence suggest about Maren?

- A She is afraid of the dark.
- B She enjoys watching ships for entertainment.
- C She is deeply dedicated to her duty.
- D She has worked at the lighthouse for only a few years.
- E She is lonely and wishes for company.

*The answer is **C**. The last sentence suggests she loves her work and is dedicated to her duties at the lighthouse.*

*The answer **C** has been marked on your answer sheet.*

Now try this practice question. You should choose the best answer and mark its letter on the answer sheet.

1 Practice

'Its white walls bleached pale as bone by the salt wind.'

What literary device is used in this phrase?

- A Personification
- B Alliteration
- C Metaphor
- D Simile
- E Onomatopoeia

2 Practice

What does the word '**bleached**' mean, as it is used in the passage?

- A Crumbled
- B Darkened in colour
- C Polished
- D Strengthened
- E Drained of colour

In these questions, you need to work out the correct word to complete the sentence. The word on the left in bold, is a clue. It rhymes with a synonym of the missing word, but not the word itself. **Mark your answer on the answer sheet.**

B Example

violent The librarian asked everyone to remain _____.

A. noisy B. calm C. quiet D. silent E. loud

3 Practice

lighten The cave was so dark they needed to _____ it.

A. brighten B. decorate C. explore D. illuminate E. darken

4 Practice

sneer The crowd began to _____ at the comedian.

A. laugh B. mock C. jeer D. clap E. heckle

In each question, find one letter that will complete the word in front of the brackets and begin the word after the brackets. The same letter must fit into both sets of brackets.

Mark your answer on the answer sheet.

C Example

JUNGL (____) AGLE

KARAT (____) NGINE

A. A

B. E

C. I

D. O

E. U

5 Practice

GARDE (____) AP

PLAI (____) EEDLE

A. M

B. N

C. D

D. R

E. T

6 Practice

BRIDG (____) ASE

HORS (____) RADICATE

A. A

B. I

C. E

D. O

E. U

END OF PRACTICE SECTION

The Verbal Reasoning test begins on the next page.

- You have 15 minutes to complete the Verbal Reasoning test.
- There are 20 questions to answer.
- Your time will start when you turn over the page.
- Do not turn over the page until you are told to do so.

Verbal Reasoning

(15 minutes)

Read this passage carefully and then answer the questions that follow.

***The Hound of the Baskervilles* by Arthur Conan Doyle.**

Sir Henry Baskerville and Dr. Mortimer were ready upon the appointed day, and we started as arranged for Devonshire. Mr. Sherlock Holmes drove with me to the station and gave me his last parting injunctions and advice.

5 "I will not bias your mind by suggesting theories or suspicions, Watson," said he; "I wish you simply to report facts in the fullest possible manner to me, and you can leave me to do the theorizing."

"What sort of facts?" I asked.

"Anything which may seem to have a bearing however indirect upon the case, and especially the relations between young Baskerville and his neighbours or any fresh
10 particulars concerning the death of Sir Charles. I have made some inquiries myself in the last few days, but the results have, I fear, been negative. One thing only appears to be certain, and that is that Mr. James Desmond, who is the next heir, is an elderly gentleman of a very amiable disposition, so that this persecution does not arise from him. I really think that we may eliminate him entirely from our calculations. There remain the people who
15 will actually surround Sir Henry Baskerville upon the moor."

"Would it not be well in the first place to get rid of this Barrymore couple?"

"By no means. You could not make a greater mistake. If they are innocent it would be a cruel injustice, and if they are guilty we should be giving up all chance of bringing it home to them. No, no, we will preserve them upon our list of suspects."

Answer these questions. Look at the passage again if you need to. You should choose the best answer and mark its letter on your answer sheet.

1 Where are Sir Henry Baskerville and Dr. Mortimer travelling to?

A London

B Baker Street

C Devonshire

D Cornwall

E Yorkshire

- 2** What does the word '**bias**' mean? (Line 4)
- A Purposely confuse
 - B Unfairly influence
 - C Mislead into danger
 - D Distract
 - E Frighten
- 3** What does Holmes ask Watson to do, rather than suggesting theories himself?
- A Investigate Stapleton independently.
 - B Follow Sir Henry at all times.
 - C Interview all the neighbours on the moor.
 - D Keep a written diary of events.
 - E Report facts as fully as possible.
- 4** Choose a synonym for the word '**amiable**', in the context of the passage. (Line 13)
- A Unfriendly
 - B Affable
 - C Cogent
 - D Tenacious
 - E Impeccable

In these questions, you need to work out the correct word to complete the sentence. The word on the left in bold, is a clue. It rhymes with a synonym of the missing word, but not the word itself. **Mark your answer on the answer sheet.**

5 glare The visitors stopped to _____ at the impressive castle.

A. inspect B. ignore C. gaze D. admire E. stare

6 moan The child began to _____ about the long journey.

A. explain B. laugh C. grumble D. groan E. sing

7 steep The burglar tried to _____ into the house unnoticed.

A. rush B. escape C. creep D. sneak E. enter

8 dreary The long hike left the children feeling _____.

A. exhausted B. lively C. weary D. unhappy E. cheerful

In these questions, one word in capitals has had three consecutive letters taken out. These three letters on their own make one correctly spelt word, without changing the order. Choose the three-letter word. **Mark your answer on the answer sheet.**

13 The artist carefully mixed the MENTS before painting.

- A. top B. son C. pig D. ice E. air

14 The explorers followed the FOOTH through the dense jungle.

- A. son B. ate C. tip D. pat E. eat

15 The children were amazed by the spectacular WRFALL.

- A. ate B. hat C. hop D. ink E. are

16 The cat raced up the STCASE when it heard the doorbell.

- A. end B. air C. mop D. map E. ink

17 The children played happily in the PGROUND after lunch.

- A. lay B. lip C. pun D. pig E. hip

18 The teacher read an interesting SPAPER article to the class.

- A. pad B. can C. run D. win E. new

19 The cottage had a beautiful TCHED roof.

- A. hop B. jam C. key D. rug E. hat

20 Before downloading the software, check that it is COMIBLE with your computer.

A. rug

B. pat

C. log

D. jam

E. key

END OF VERBAL REASONING SECTION.

DO NOT TURN OVER THE PAGE UNTIL YOU ARE TOLD TO DO SO.

Maths Practice Section

(Untimed)

This practice section gives an example of the sort of questions you will be faced with in this test, with the correct answer filled in on the answer sheet so that you can see how to do it.

There are also some practice questions that don't have the answers filled in, so that you can practise working them out for yourself and filling in the answer sheet.

Work out the correct answer and mark its letter on the answer sheet.

A Example

I think of a number.
I triple my number and then I subtract 9.
The final result is 30.

A. 39 B. 8 C. 13 D. 16 E. 21

The answer is **13**. You can work this out by working backwards and applying inverse operations. Start with 30 and add 9. This is equal to 39. We now need to divide this number by 3, which makes 13.

The correct answer has been marked on your answer sheet.

Now try these practice questions.

Work out the correct answer and mark it on the answer sheet.

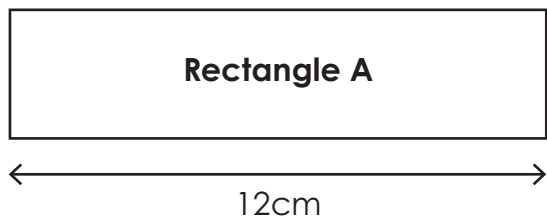
1 Practice

Which of these numbers is NOT a square number?

- A. 16 B. 25 C. 1 D. 49 E. 65

2 Practice

The perimeter of Rectangle A is 32cm. What is the width of the rectangle?



- A. 6cm B. 7cm C. 8cm D. 4cm E. 3cm

END OF PRACTICE SECTION

The maths test begins on the next page.

- You have 20 minutes to complete the maths test.
- There are 20 questions to answer.
- Your time will start when you turn over the page.
- Do not turn over the page until you are told to do so.

Maths
(20 minutes)

Work out the correct answer and mark its letter on your answer sheet.

- 1** What is the value of 7 in the number 3,472,819?
- A** 700 **B** 7,000 **C** 70,000 **D** 700,00 **E** 7,000,000
-
- 2** A right-angled triangle has a base of 9cm and a height of 14cm.
What is its area?
- A** 63cm² **B** 126cm² **C** 46cm² **D** 23cm² **E** 57cm²
-
- 3** Which option represents the most stickers?
- A** 3 sheets of 24 stickers each.
- B** 2 sheets of 18 stickers and 4 sheets of 12 stickers each.
- C** 4 sheets of 25 stickers and 1 sheet of 16 stickers.
- D** 6 sheets of 20 stickers each.
- E** 5 sheets of 23 stickers each.

- 4** Calculate: $4\frac{2}{3} - 2\frac{3}{4}$
- A** $1\frac{1}{12}$ **B** $2\frac{1}{12}$ **C** $1\frac{5}{6}$ **D** $2\frac{5}{12}$ **E** $1\frac{7}{12}$
- 5** Look at the sequence below.
- 84, 77, 70, ...
- Which term of the sequence will be equal to 0?
- A** 11th **B** 12th **C** 13th **D** 14th **E** 15th
- 6** The length of a rope is 17.83m.
The rope is wound three times around a cylindrical post of circumference 43cm.
What length of rope is left unused?
- A** 16.40m **B** 17.40m **C** 16.68m **D** 15.25m **E** 16.54m
- 7** A car uses 8.4 litres of fuel per 100km. How much fuel will it use on a 350km journey?
- A** 26.6 litres **B** 32.4 litres **C** 25.2 litres **D** 29.4 litres **E** 30 litres
- 8** Anya thinks of a multiple of 17. If she subtracts 9, it becomes a multiple of 12.
What number did Anya think of?
- A** 85 **B** 119 **C** 170 **D** 136 **E** 153

- 9 Order these from smallest to largest:

0.6, $\frac{3}{5}$, $\frac{3}{4}$, 0.58, $\frac{7}{10}$

- A 0.58, $\frac{3}{5}$, 0.6, $\frac{7}{10}$, $\frac{3}{4}$
- B $\frac{3}{4}$, 0.58, $\frac{3}{5}$, 0.6, $\frac{7}{10}$
- C 0.58, 0.6, $\frac{7}{10}$, $\frac{3}{5}$, $\frac{3}{4}$
- D $\frac{3}{5}$, 0.58, $\frac{7}{10}$, 0.6, $\frac{3}{4}$
- E 0.6, 0.58, $\frac{3}{5}$, $\frac{3}{4}$, $\frac{7}{10}$

- 10 Use the timetable below to answer questions 10 and 11.

If train 1 is delayed by 23 minutes at Ashford and by a further 8 minutes' delay at Maidstone, what time will it arrive at Tonbridge?

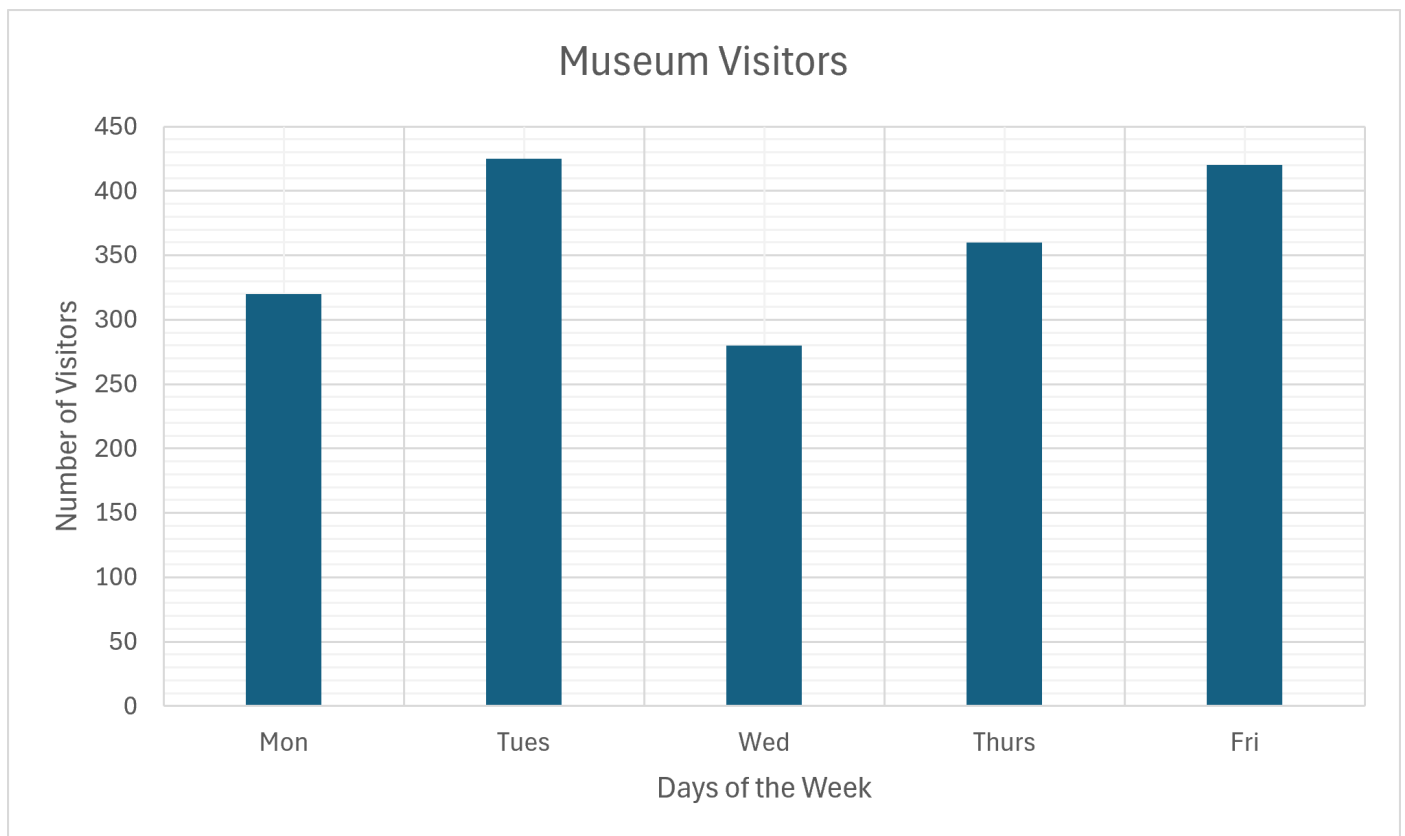
Explore Rail – Morning Services			
	Train 1	Train 2	Train 3
Ashford	06:12	07:45	08:30
Maidstone	07:04	08:37	09:22
Tonbridge	07:51	09:24	10:09
London Bridge	09:03	10:36	11:21

- A 08:09 B 08:14 C 08:19 D 08:22 E 08:25
- 11 Priya wants to arrive in London Bridge no later than 11:00. She is at Maidstone. Which is the latest train she can catch?
- A Train 1 B Train 2 C Train 3 D Any train E Train 1 and Train 2

- 12** A rectangular fish tank measures $60\text{cm} \times 35\text{cm} \times 40\text{cm}$.
It is filled to $\frac{3}{4}$ of its capacity with water.
How many litres of water does it contain? (1 litre = 1000cm^3)
- A** 63 litres **B** 84 litres **C** 72 litres **D** 56 litres **E** 48 litres
- 13** The thermometer shows -4°C . By midday the temperature has risen by 11°C .
By midnight it falls by 9°C . What is the midnight temperature?
- A** -6°C **B** -2°C **C** 6°C **D** 2°C **E** 4°C

The graph below shows the number of visitors to a museum over five days.

Use the graph to answer questions 14–16.



- 14** How many more visitors went to the museum on Friday than on Wednesday?
- A** 190 **B** 210 **C** 160 **D** 220 **E** 140

15 What is the mean number of daily visitors?

- A** 375 **B** 383 **C** 361 **D** 363 **E** 353

16 What is the range of the number of daily visitors?

- A** 195 **B** 214 **C** 120 **D** 145 **E** 136

17 Calculate: 15.6×8.5

- A** 130.6 **B** 132.6 **C** 133.2 **D** 134.6 **E** 131.2

18 Find 12% of £345.

- A** £39.40 **B** £41.40 **C** £43.80 **D** £40.60 **E** £38.90

19 A cinema has 24 rows. The first 8 rows each have 15 seats. The remaining rows each have 18 seats. How many seats are there in total?

- A** 408 **B** 420 **C** 288 **D** 312 **E** 432

20 What is the value of k in: $5k^2 = 125$?

A 3

B 4

C 5

D 6

E 25

END OF MATHS SECTION.

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Non-Verbal Reasoning Subtest 1 Practice

(untimed)

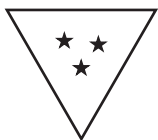
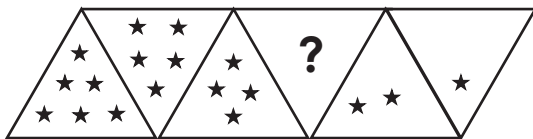
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There are also some practice questions that don't have the answers filled in, so that you can practise working them out for yourself and filling in the answer sheet.

In each question, there are five triangles arranged in order. One of these triangles has been left empty. Decide which of the five triangles should take the place of the triangle with the question mark.

Choose the missing triangle and mark it on your answer sheet.

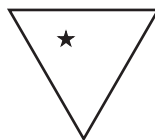
A Example



a



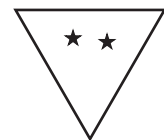
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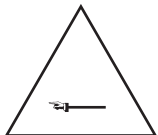
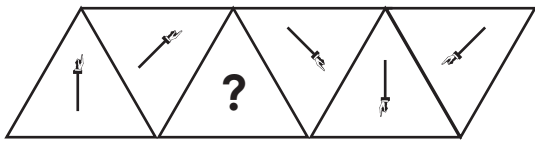


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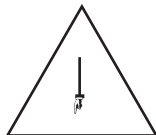
The answer is **a**. The number of stars decreases by one as the triangle series progresses from left to right.

1 Practice

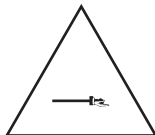
Choose the missing triangle and mark it on your answer sheet.



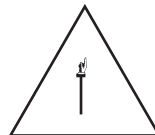
a



b



c

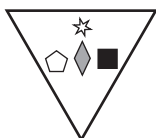
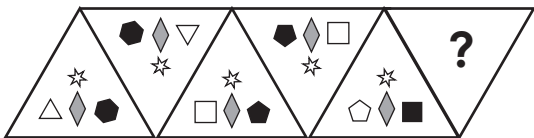


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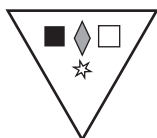


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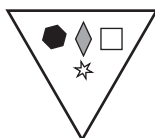
2 Practice



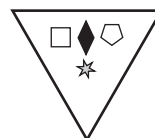
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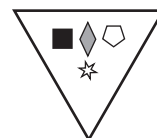
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c



d



e

END OF PRACTICE

Non-Verbal Reasoning Subtest 1 begins on the next page.

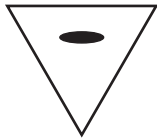
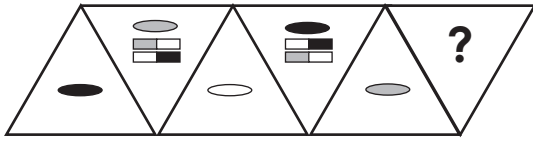
- You have 4 minutes to complete Non-Verbal Reasoning Subtest 1.
- There are 8 questions to answer.
- Your time will start when you turn over the page.
- Do not turn over the page until you are told to do so.

Non-Verbal Reasoning Subtest 1

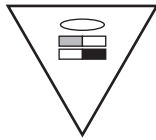
(5 minutes)

Choose the missing triangle and mark it on your answer sheet.

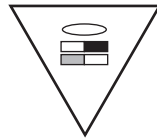
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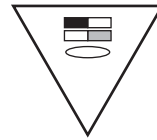
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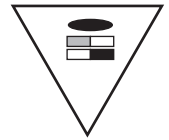
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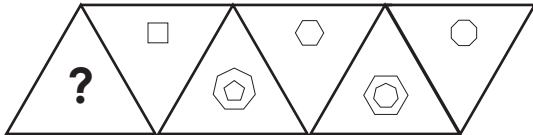


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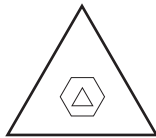


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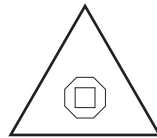
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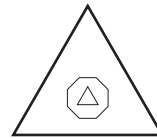
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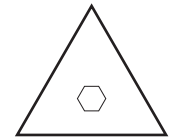
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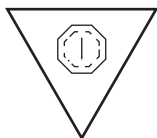
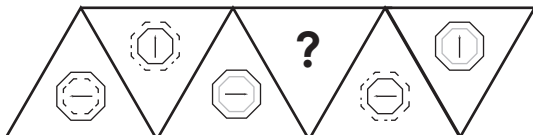


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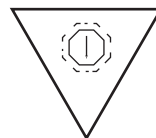


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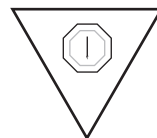
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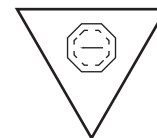
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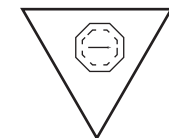
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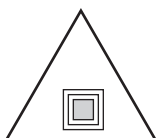
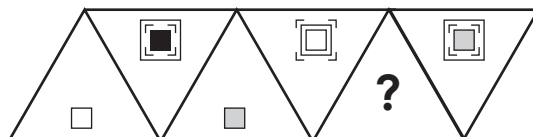


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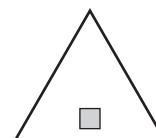


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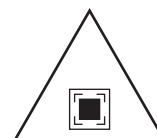
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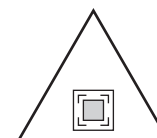
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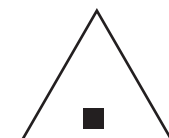
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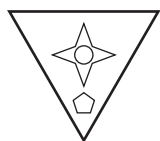
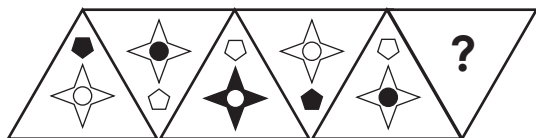


d



e

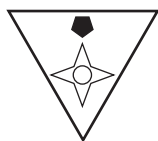
5



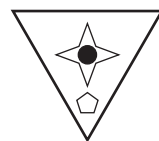
a



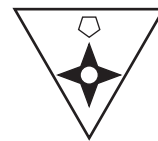
b



c

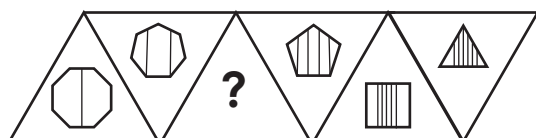


d

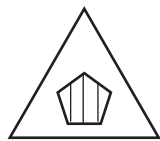


e

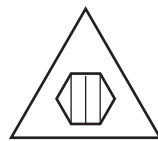
6



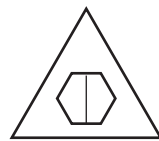
a



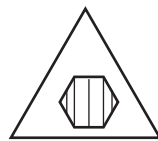
b



c

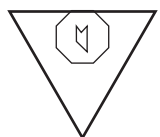
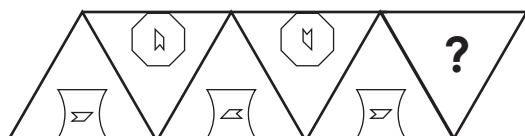


d

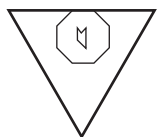


e

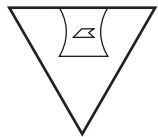
7



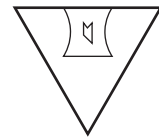
a



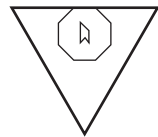
b



c

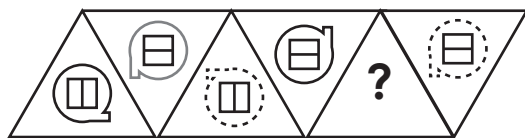


d



e

8



a



b



c



d



e

END OF NON-VERBAL REASONING SUBTEST 1.
DO NOT TURN OVER THE PAGE UNTIL YOU ARE TOLD TO DO SO.

Non-Verbal Reasoning Subtest 2 Practice

(untimed)

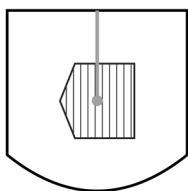
This practice section gives an example of the sort of questions you will be faced with in this test, with the correct answer filled in on the answer sheet so that you can see how to do it.

There are also some practice questions that don't have the answers filled in, so that you can practise working them out for yourself and filling in the answer sheet.

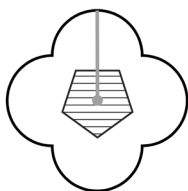
In each question, there are figures and code letters that go with them. There may be two, three or four letters that make up each code. Each letter within a code means something different and corresponds to a part of the figure. One figure is missing a code.

Choose the missing code and mark it on your answer sheet.

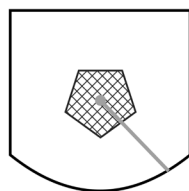
A Example



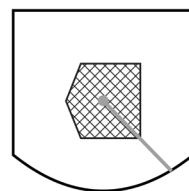
RWLF



SXMF



RXNG



????

a. SXNF

b. RWNF

c. SXMG

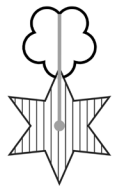
d. SXLF

e. RWNG

The answer is **e**. Each letter in the code represents a different feature of the figure. The first letter correlates to the outside shape; the second tells us the inner shape; the third tells us the shading pattern on the inner shape; and the fourth tells us the direction of the grey line. Applying these rules to the fourth figure gives the code RWNG, which is answer e.

1 Practice

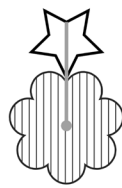
What is the missing code?



NQ



OQ



OR



??

a. OQ

b. OS

c. NQ

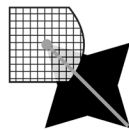
d. OR

e. NR

2 Practice



IVC



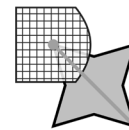
JWC



KXD



JXD



???

a. JXC

b. KWD

c. JVC

d. IWC

e. IXD

END OF PRACTICE

Non-Verbal Reasoning Subtest 2 begins on the next page.

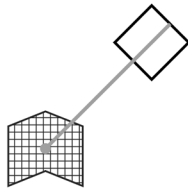
- You have 4 minutes to complete Non-Verbal Reasoning Subtest 2.
- There are 8 questions to answer.
- Your time will start when you turn over the page.
- Do not turn over the page until you are told to do so.

Non-Verbal Reasoning Subtest 2

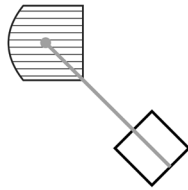
(4 minutes)

In these questions, you must work out the missing code and mark its letter on your answer sheet.

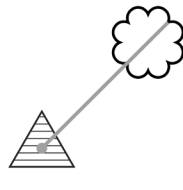
1



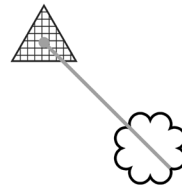
BGSP



BHTQ



CITP



????

a. CGTQ

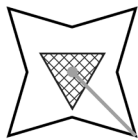
b. CISQ

c. CHTQ

d. CHSQ

e. BGTQ

2



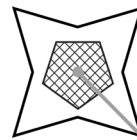
PL



PM



QM



??

a. RL

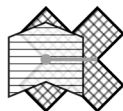
b. QM

c. PM

d. PL

e. QL

3



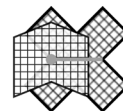
VPIM



VQJN



WQKM



????

a. WQKN

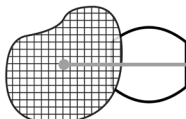
b. WPJN

c. WPKM

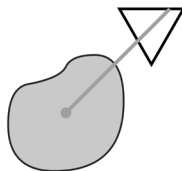
d. WQIN

e. VPJM

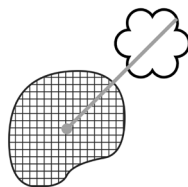
4



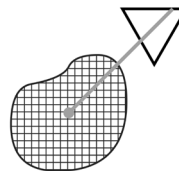
MUCH



NUDI



OVCI



????

a. MVDH

b. NUCI

c. MVCH

d. MUCI

e. NUCH

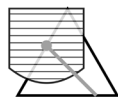
5



LP



MP



MQ



??

a. NP

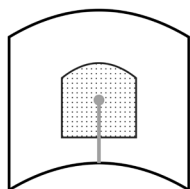
b. MP

c. MQ

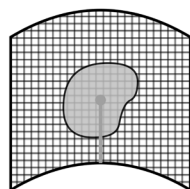
d. LP

e. LQ

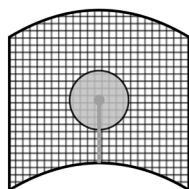
6



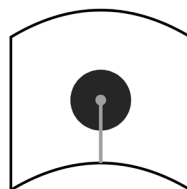
HMB



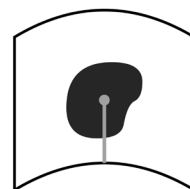
INC



IOC



HOD



???

a. INB

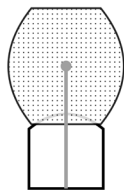
b. HMC

c. IOD

d. IMC

e. HND

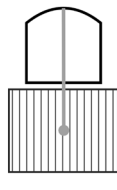
7



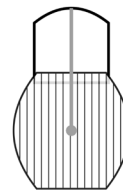
BWJE



CXKE



BXLF



????

a. BWLF

b. CWKF

c. BWKF

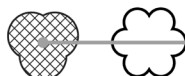
d. BXJF

e. CXJF

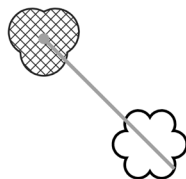
8



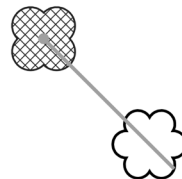
HS



IS



IT



??

a. IT

b. HT

c. HS

d. IS

e. IU

END OF NON-VERBAL REASONING SUBTEST 2.
DO NOT TURN OVER THE PAGE UNTIL YOU ARE TOLD TO DO SO.

Spatial Reasoning Practice Section

(untimed)

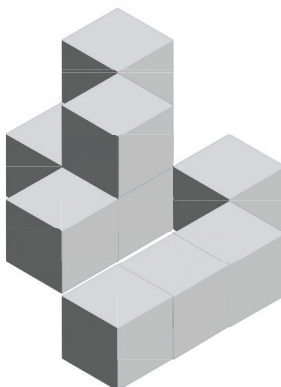
This practice section gives an example of the sort of questions you will be faced with in this test, with the correct answer filled in on the answer sheet so that you can see how to do it.

There are also some practice questions that don't have the answers filled in, so that you can practise working them out for yourself and filling in the answer sheet.

In each question, you are shown a 3D figure made from identical blocks. Some blocks may be hidden from view.

Work out how many individual blocks make up the 3D figure, find the correct number and mark its letter on your answer sheet.

A Example



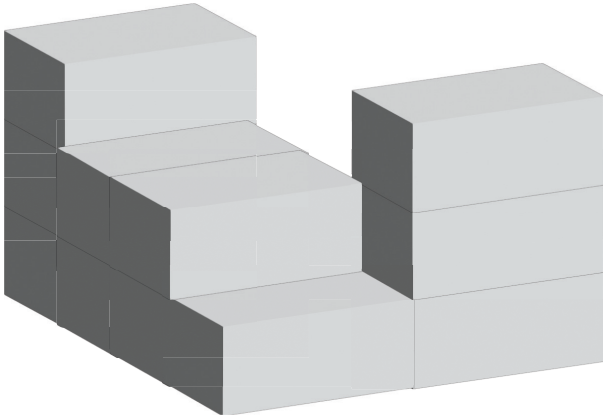
10		11		12		13		14
a		b		c		d		e

The answer is **a**. There are 10 identical blocks that make up this 3D figure.

Now try the practice questions and mark your answers on the answer sheet.

1 Practice

Work out how many individual blocks make up the 3D figure, find the correct number and mark its letter on your answer sheet.



8		10		11		12		13
a		b		c		d		e

2 Practice

Work out how many individual blocks make up the 3D figure, find the correct number and mark its letter on your answer sheet.



9		11		12		14		15
a		b		c		d		e

END OF PRACTICE SECTION

Spatial Reasoning test begins on the next page.

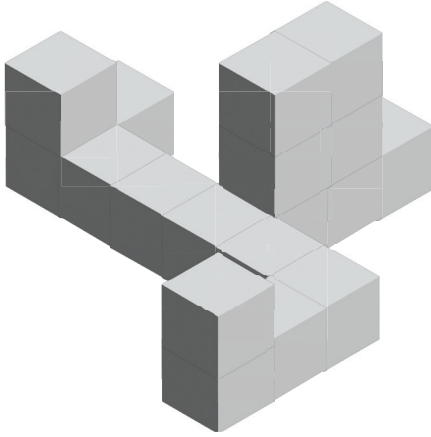
- You have 4 minutes to complete the Spatial Reasoning test.
- There are 8 questions in this test.
- Your time will start when you turn over the page.
- Do not turn over the page until you are told to do so.

Spatial Reasoning

(4 minutes)

Work out how many individual blocks make up the 3D figure, find the correct number and mark its letter on your answer sheet.

1



18

19

20

21

22

a

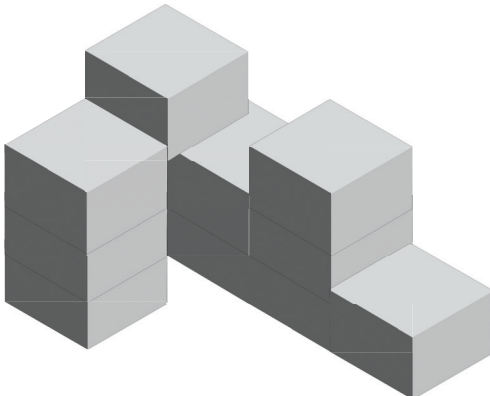
b

c

d

e

2



11

12

14

16

17

a

b

c

d

e

3



7

8

9

11

12

a

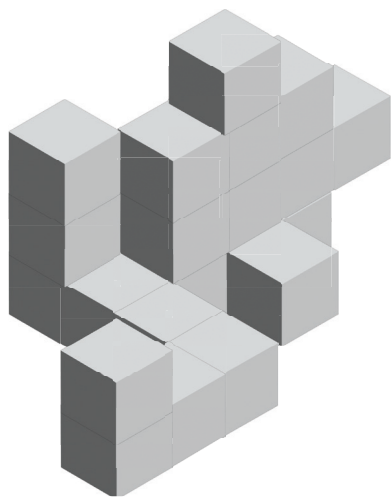
b

c

d

e

4



21

22

23

24

25

a

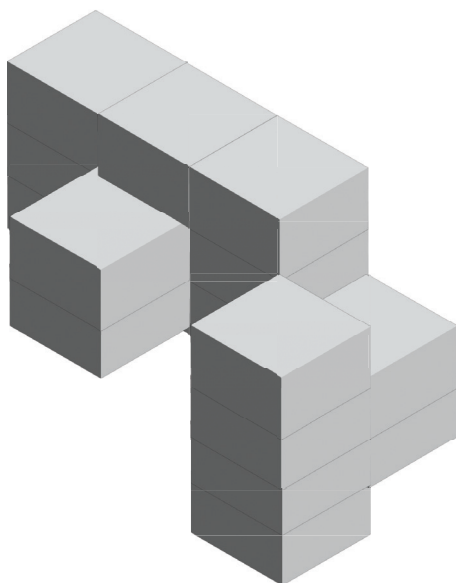
b

c

d

e

5



15

16

17

18

19

a

b

c

d

e

6



4

5

6

7

8

a

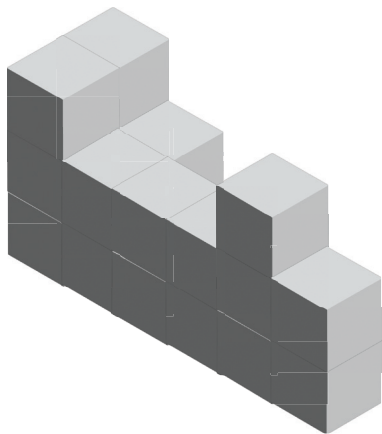
b

c

d

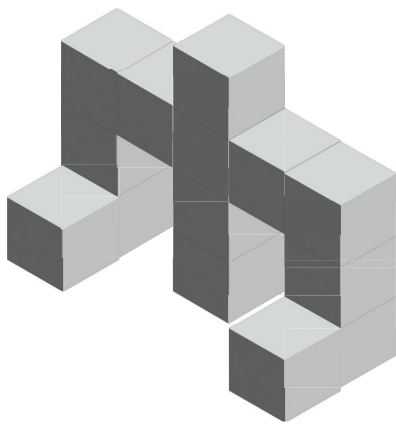
e

7



18		19		20		21		22
a		b		c		d		e

8



9		10		12		14		16
a		b		c		d		e

END OF PAPER A.

