

# GL Trafford Mock 3



## 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 the Verbal Reasoning section, 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.

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

## Morning in the Market Square

- 1 The market square yawned awake beneath the morning sun, its cobblestones still damp  
2 from the night's drizzle. Stalls of every colour burst into life – scarlet apples gleamed  
3 beside golden pears, while herbs whispered their fragrance into the air. Children darted  
4 between baskets of bread, their laughter echoing like birdsong. Somewhere near the  
5 spice stall, a violin began to sing.

**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 time of day is the market scene taking place?

- A Late afternoon
- B Midnight
- C Lunchtime
- D Early morning
- E Evening

*The answer is **D**. The passage starts by saying the market square is waking beneath the morning sun.*

*The answer **D** 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**

According to the text, what do the children dart between?

- A Apples and pears
- B Baskets of bread
- C Cobblestones
- D Baskets of herbs
- E The spice stall

Now try this practice question about a literary device that is used in the passage.

**2 Practice**

What is the quote below an example of?

**'The market square yawned awake beneath the morning sun'**

(Line 1)

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

Three of the five words listed below are related in some way. Find the two words that do not go with these three. **Mark your answer on the answer sheet.**

**B Example**

(Germany, Japan, France, Australia, Belgium)

A. Germany      B. Japan      C. France      D. Australia      E. Belgium

The answer is **B & D**. Japan and Australia are the two words that do not belong as these countries are not in Europe.

*The answers **B & D** have been marked on your answer sheet.*

**3 Practice**

(June, December, March, July, January)

A. June      B. December      C. March      D. July      E. January

**4 Practice**

(cold, calm, warm, serene, placid)

A. cold      B. calm      C. warm      D. serene      E. placid



In the sentences below, 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 from the options below. **Mark your answer on the answer sheet.**

### C Example

The archaeologist found a **SKEON** in the ancient tomb.

A. lit                      B. lot                      C. let                      D. ton                      E. tog

The correct answer is **C**. The word is **SKELETON**.

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

### 5 Practice

The shed had a protective **CING** to prevent rain from seeping in.

A. art                      B. him                      C. ash                      D. oat                      E. all

### 6 Practice

The station **PLATM** was particularly busy.

A. for                      B. fir                      C. fan                      D. and                      E. ore

## END OF PRACTICE SECTION

The Verbal Reasoning test begins on the next page.

- You have 15 minutes to complete the Verbal Reasoning section.
- There are 120 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 Wonderful Wizard of Oz by L. Frank Baum***

All this time Dorothy and her companions had been walking through the thick woods. The road was still paved with yellow brick, but these were much covered by dried branches and dead leaves from the trees, and the walking was not at all good.

There were few birds in this part of the forest, for birds love the open country where there is plenty of sunshine. But now and then there came a deep growl from some wild animal hidden among the trees. These sounds made the little girl's heart beat fast, for she did not know what made them; but Toto knew, and he walked close to Dorothy's side, and did not even bark in return.

"How long will it be," the child asked of the Tin Woodman, "before we are out of the forest?"

"I cannot tell," was the answer, "for I have never been to the Emerald City. But my father went there once, when I was a boy, and he said it was a long journey through a dangerous country, although nearer to the city where Oz dwells the country is beautiful. But I am not afraid so long as I have my oil-can, and nothing can hurt the Scarecrow, while you bear upon your forehead the mark of the Good Witch's kiss, and that will protect you from harm."

**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** According to the text, what made walking along the yellow brick road difficult for Dorothy and her companions?

- A The road was too steep.
- B There were large holes in the road.
- C The road was covered in branches and leaves.
- D It was raining heavily.
- E The road was very narrow.

- 2** Why were there few birds in this part of the forest?
- A They had all flown south.
  - B The forest was too noisy.
  - C There were too many predators.
  - D They prefer open, sunny areas.
  - E It was too cold for them.
- 3** What does this phrase suggest about the way Dorothy is feeling?  
**These sounds made the little girl's heart beat fast, for she did not know what made them.** (Lines 6 & 7)
- A Dorothy is curious.
  - B Dorothy is full of excitement.
  - C Dorothy feels a sense of relief.
  - D Dorothy is filled with sadness.
  - E Dorothy is scared.
- 4** What does the Tin Woodman say will protect Dorothy from harm?
- A His oil can
  - B Her bravery
  - C Her shoes
  - D The Good Witch's kiss
  - E Nothing

Three of the five words listed below are related in some way. Find the two words that do not go with these three. **Mark your answer on the answer sheet.**

**5** (pentagon, rectangle, cuboid, sphere, rhombus)

A. pentagon      B. rectangle      C. cuboid      D. sphere      E. rhombus

**6** (they, hers, he, you, his)

A. they      B. hers      C. he      D. you      E. his

**7** (know, worth, wrong, gnat, grant)

A. know      B. worth      C. wrong      D. gnat      E. grant

**8** (fruit, apple, banana, orange, colourful)

A. fruit      B. apple      C. banana      D. orange      E. colourful

In the sentences below, 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 from the options below. **Mark your answer on the answer sheet.**

9 To his **KLEDGE**, Perry hadn't done anything wrong.

- A. can                      B. arc                      C. now                      D. ban                      E. owl

10 They bought flowers and chocolates as a **PING** gift to their host family.

- A. art                      B. ray                      C. far                      D. ear                      E. had

11 Dylan was pleased to see that the trees were **GING** very well.

- A. own                      B. air                      C. ape                      D. row                      E. ray

12 Jasmin tripped, and the glasses she was holding came **CRING** down to the ground.

- A. pea                      B. ash                      C. awe                      D. are                      E. cry

In the questions below, 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.**

- |           |                                |  |
|-----------|--------------------------------|--|
| <b>13</b> | SPIL (____) EISURE             | CUR (____) OFTY  |
|           | A. T                      B. E | C. L                      D. U                      E. B |
| <b>14</b> | SLEE (____) ICK                | SHRIN (____) AYAK  |
|           | A. K                      B. I | C. P                      D. N                      E. T |
| <b>15</b> | WHOLL (____) ANK               | SCANT (____) IELD  |
|           | A. T                      B. Y | C. E                      D. F                      E. S |
| <b>16</b> | WITHE (____) URAL              | WRITE (____) ARE   |
|           | A. S                      B. D | C. C                      D. M                      E. R |
| <b>17</b> | DUE (____) IGH                 | MIL (____) IVER  |
|           | A. R                      B. S | C. D                      D. T                      E. L |
| <b>18</b> | TERRAI (____) EEDS             | LEAR (____) APE  |
|           | A. S                      B. N | C. Y                      D. C                      E. G |
| <b>19</b> | PLO (____) EPT                 | BRO (____) AKEN  |
|           | A. K                      B. T | C. B                      D. W                      E. S |
| <b>20</b> | ADMI (____) AME                | CREAP (____) HREW  |
|           | A. T                      B. S | C. D                      D. A                      E. C |

**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.

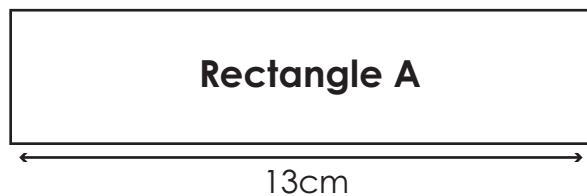
There are also some practice questions that don't have the answers filled in, so that you can practise working them out for yourself and filling in the answer sheet.

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

## A Example

The perimeter of Rectangle A is 42cm.



What is the width of Rectangle A?

- A. 4cm      B. 5cm      C. 6cm      D. 7cm      E. 8cm

The answer is **8cm**. To calculate the perimeter of a 2D shape, you add up the lengths of all its sides. The two lengths of the rectangle give a total of 26cm. If we take this away from the total perimeter, we are left with 16cm. Halve this value to get the width of the rectangle.

The correct answer **E**, 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**

A book costs £4.50. How much would 7 books cost?

- A. £30.50      B. £31.50      C. £32.50      D. £28.50      E. £27.50

**2 Practice**

A train leaves at 08:45 and arrives at 10:10. How long is the journey?

- A. 85 minutes    B. 90 minutes    C. 80 minutes    D. 75 minutes    E. 95 minutes

**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** Round 22.876 to 2 decimal places.

A 22

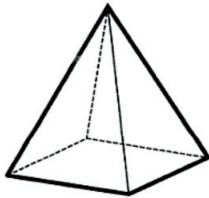
B 22.97

C 22.87

D 22.88

E 22.9

**2** The diagram shows a square-based pyramid.



How many edges does the pyramid have?

A 4

B 5

C 6

D 7

E 8

**3** What is the product of 12 and 8.5?

A 102

B 108

C 98

D 102.5

E 100

**4** Which is the smallest number?

0.4    $\frac{3}{5}$     $\frac{2}{3}$    0.25    $\frac{5}{10}$

A 0.4

B  $\frac{3}{5}$

C  $\frac{2}{3}$

D 0.25

E  $\frac{5}{10}$

**5** A headteacher is arranging for the children to go to the theatre. They will hire minibuses to take the children to the theatre. Each bus takes 16 children. There are 150 children in total.

How many buses will the school need to take all the children to the theatre?

A 5

B 7

C 9

D 10

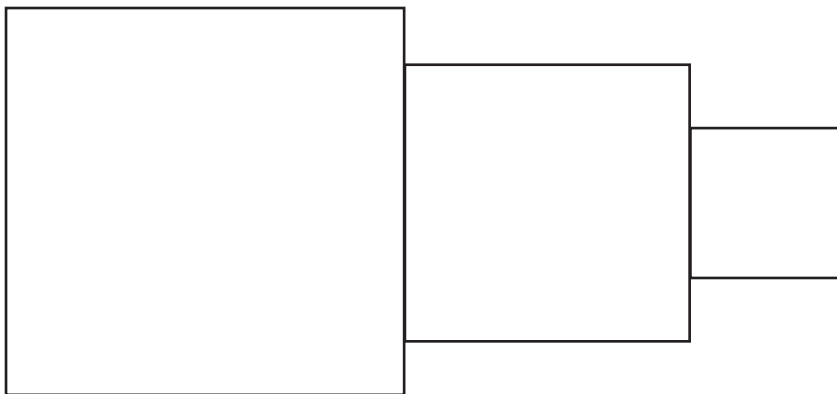
E 11

- 6 Jane is watching birds play in her garden. She noted that 3 out of 7 were pigeons. She recorded 42 birds in total.

How many birds were not pigeons?

- A 10
- B 15
- C 18
- D 24
- E 30

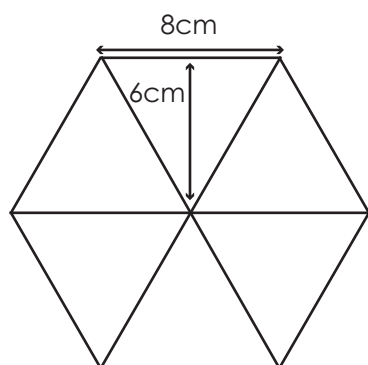
- 7 A square of area  $49\text{cm}^2$ , a square of perimeter  $20\text{cm}$  and a square of area  $9\text{cm}^2$  are positioned next to each other, as shown below.



What is the perimeter of the new shape formed?

- A 38cm
- B 40cm
- C 41cm
- D 43cm
- E 44cm

- 8 The hexagon is made up of 6 identical triangles.



What is the area of the hexagon?

- A 120cm<sup>2</sup>
- B 144cm<sup>2</sup>
- C 160cm<sup>2</sup>
- D 220cm<sup>2</sup>
- E 288cm<sup>2</sup>
- 9 75 children from across reception and Year 1 were asked what their favourite animal was.

	Reception	Year 1
<b>Rabbit</b>	12	8
<b>Dog</b>	?	37
<b>Hamster</b>	4	6

How many Reception children said that dogs were their favourite animal?

- A 12
- B 59
- C 8
- D 24
- E 17

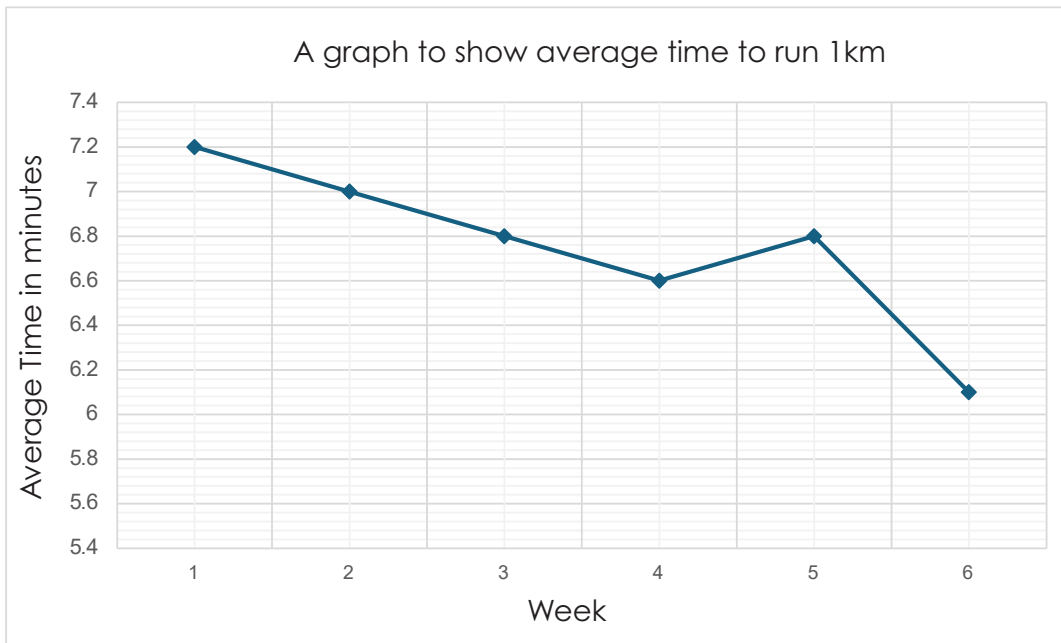
- 10 This is a coach timetable. Use this table to answer questions 10 and 11.

Explore Coaches – Daily Timetable (Monday – Friday)				
	Coach A	Coach B	Coach C	Coach D
Parkside	08:15	09:30	10:45	11:05
Riverview	08:45	10:00	11:15	11:37
Hilltop	09:10	10:30	11:40	12:15
Market Square	09:45	11:05	12:20	12:56

Liam wants to travel from Riverview to Market Square in the shortest possible time. Which coach should he take?

- A Coach A
- B Coach B
- C Coach C
- D Coach D
- E All coaches take the same amount of time.
- 11 If Coach D is delayed at Parkside by 7 minutes and delayed at Riverview by a further 6 minutes, what time will it arrive at Hilltop?
- A 11:50
- B 12:20
- C 12:28
- D 12:15
- E 13:38

The graph below shows the average time it took year 6 students to run 1km over a six-week period. Use the graph to answer questions 12 – 14.



- 12** What was the average running time in week 4?
- A 7.2 minutes
  - B 7 minutes
  - C 6.8 minutes
  - D 6.6 minutes
  - E 6.2 minutes
- 13** How many weeks had an average time less than 6.7 minutes?
- A 1 week
  - B 2 weeks
  - C 3 weeks
  - D 4 weeks
  - E 5 weeks

**14** What is the difference in average time for week 1 to week 6?

- A 1 minute
- B 1.1 minutes
- C 0.6 minutes
- D 1.2 minutes
- E 1.8 minutes

**15** Calculate  $23.6 + 14.9 =$

- A 38.2
- B 37.4
- C 38.5
- D 37.7
- E 37.15

**16**  $(4X)^3 = 512$

What is the value of X?

- A 2
- B 4
- C 8
- D 16
- E 20

- 17** A school has 480 pupils. 40% of the pupils are boys. 25% of the girls wear glasses. How many girls wear glasses?
- A        72
- B        192
- C        288
- D        55
- E        98
- 
- 18** A bag contains 4 red counters, 3 blue counters and 5 green counters. One counter is picked at random.
- What is the probability that the counter is not green?
- A         $\frac{2}{6}$
- B         $\frac{5}{12}$
- C         $\frac{7}{12}$
- D         $\frac{3}{12}$
- E         $\frac{1}{3}$
- 
- 19** Jasmine pours out 300ml of juice from a full jug. She has poured out  $\frac{3}{8}$  of the juice in the jug. How much juice was in the jug to start with?
- A        500ml
- B        750ml
- C        600ml
- D        800ml
- E        900ml



- 20** In a sweet shop, the ratio of chocolate bars to sweets is 3:5. If there are 120 sweets, how many chocolate bars are there?
- A 45
  - B 60
  - C 72
  - D 75
  - E 80

**END OF MATHS SECTION**

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

# Non-Verbal Reasoning Subsection 1 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.

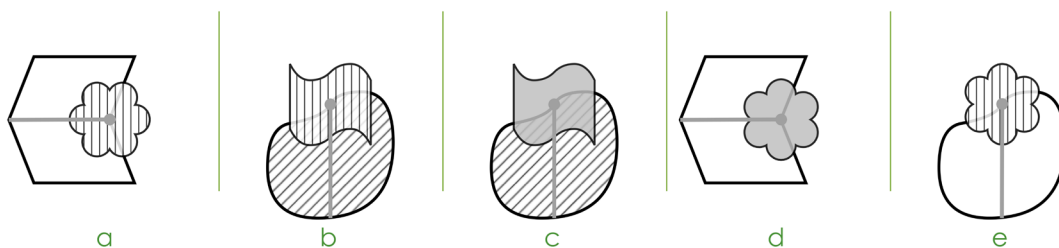
There are also some practice questions that don't have the answers filled in, so that you can practise working them out for yourself and filling in the answer sheet.

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In these questions, there are five figures. You must work out which is most unlike the other four and mark its letter on your answer sheet.

Choose the correct figure and mark it on your answer sheet.

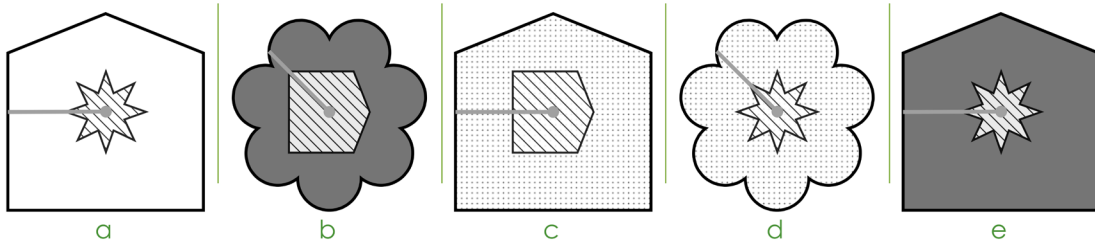
## A Example



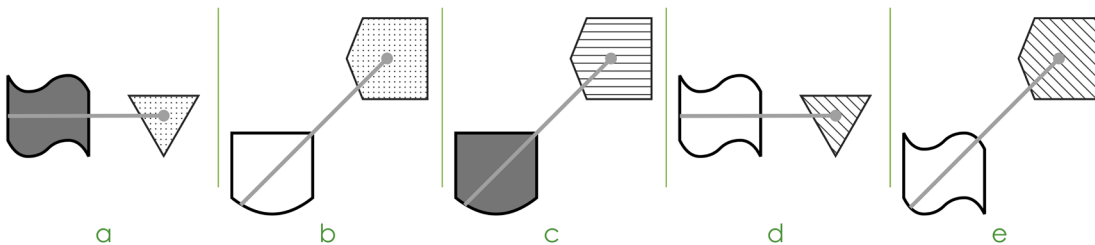
The answer is **a**.

## 1 Practice

Choose the figure that is the odd one out.



## 2 Practice



## END OF PRACTICE

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

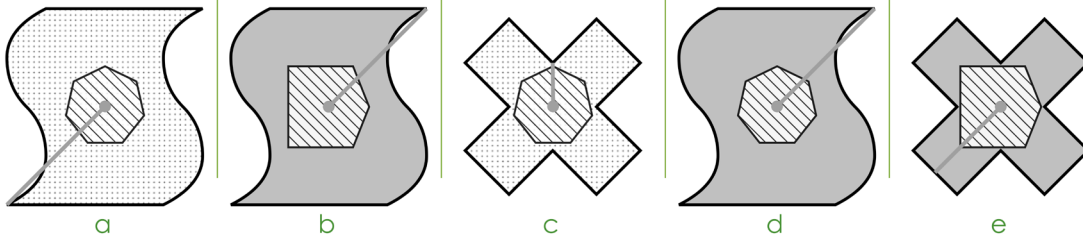
- You have 4 minutes to complete Non-Verbal Reasoning Subsection 1.
- There are 8 questions to answer.
- Your time will start when you turn over the page.
- Do not turn over the page until you are told to do so.

## Non-Verbal Reasoning Subsection 1

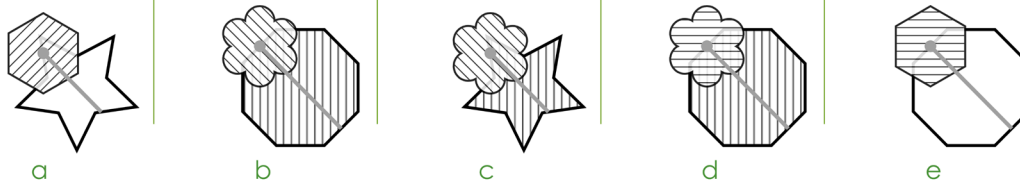
(4 minutes)

In these questions, there are five figures. You must work out which is most unlike the other four and mark its letter on your answer sheet.

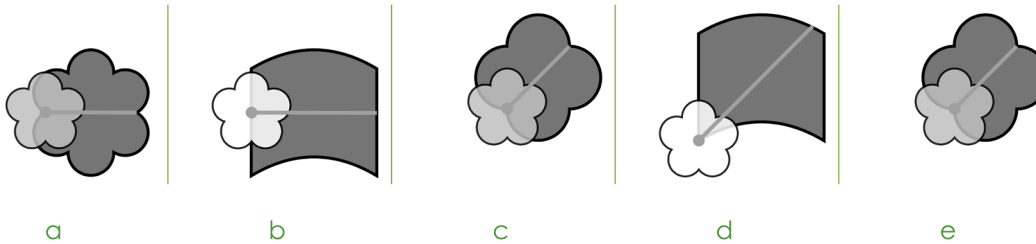
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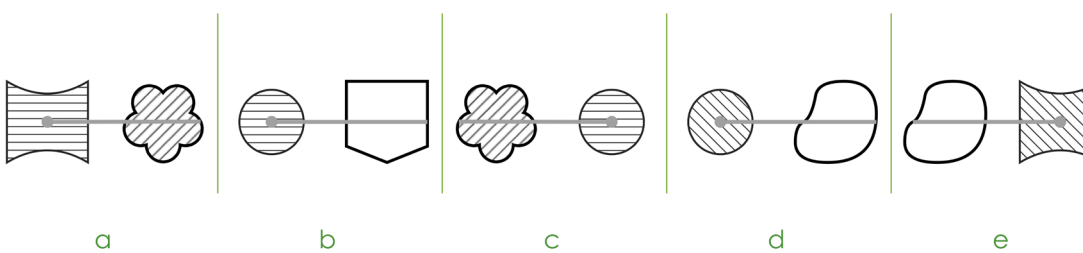
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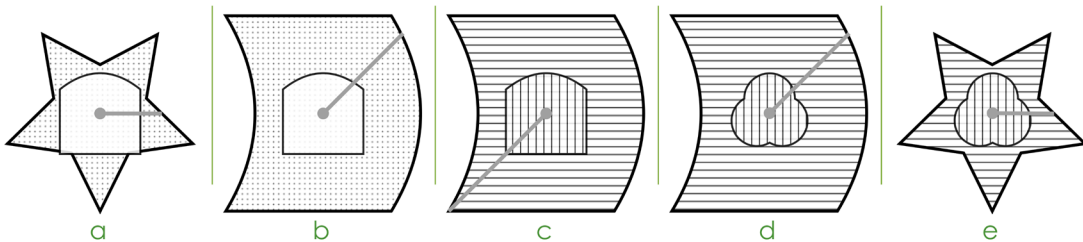
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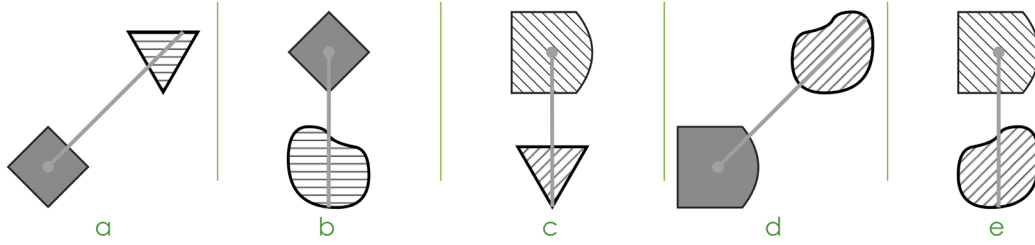
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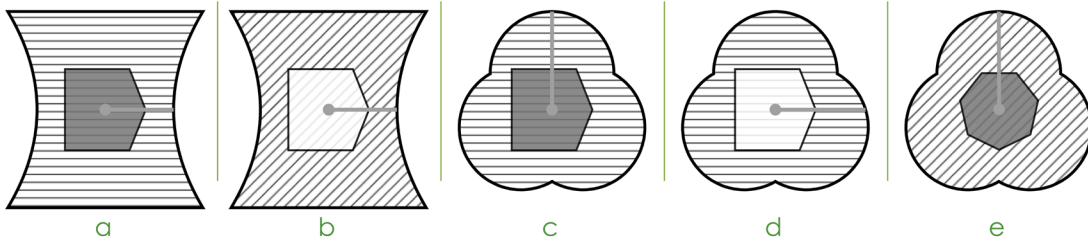
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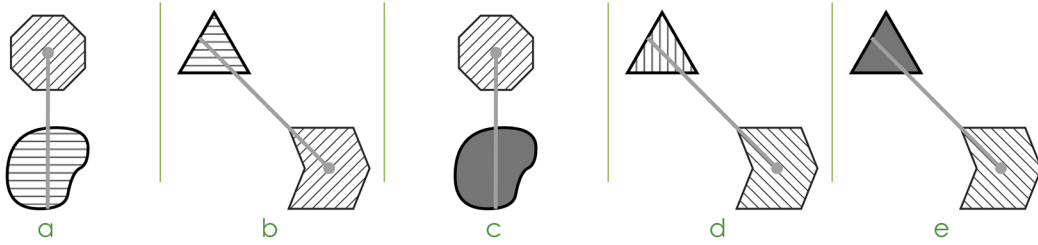
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7



8



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

# Non-Verbal Reasoning Subsection 2 Practice

(untimed)

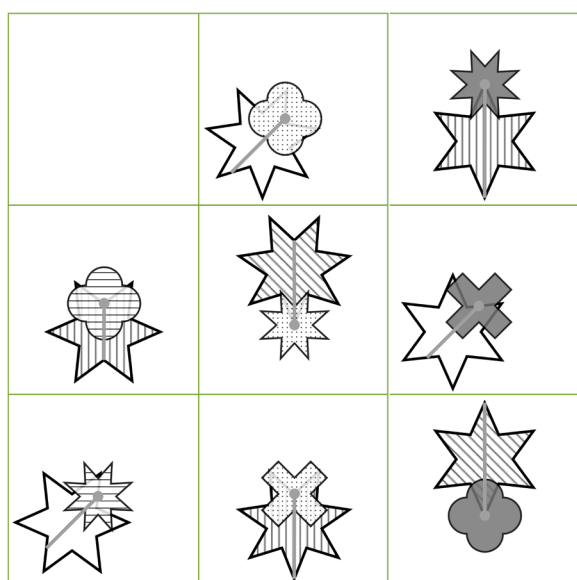
This practice section gives an example of the sort of questions you will be faced with in this test, with the correct answer filled in on the answer sheet so that you can see how to do it.

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 these questions, one of the small squares in the matrix has been left empty. One of the five figures underneath should fill the empty square.

Choose the correct figure and mark it on your answer sheet.

## A Example



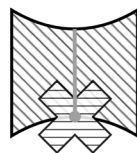
a



b



c



d

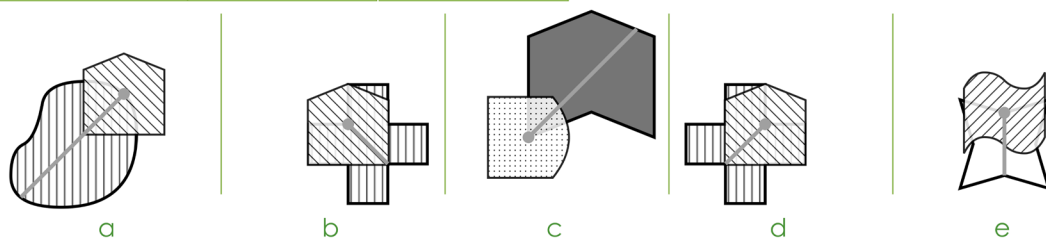
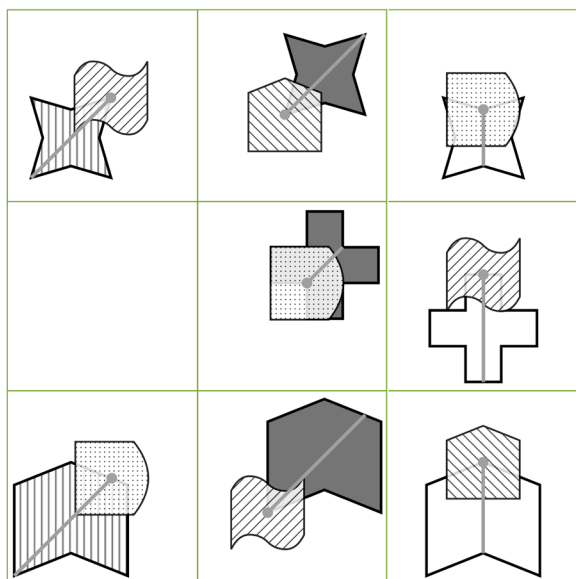


e

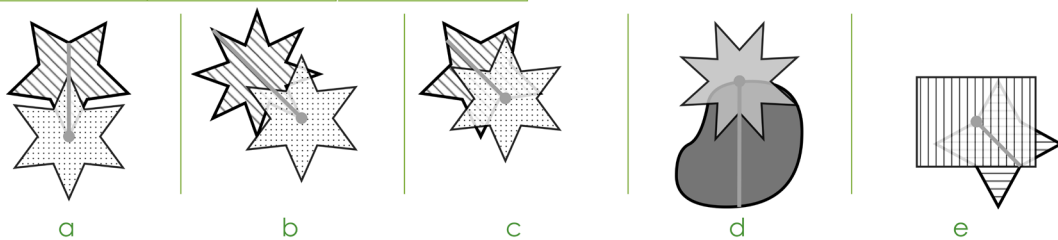
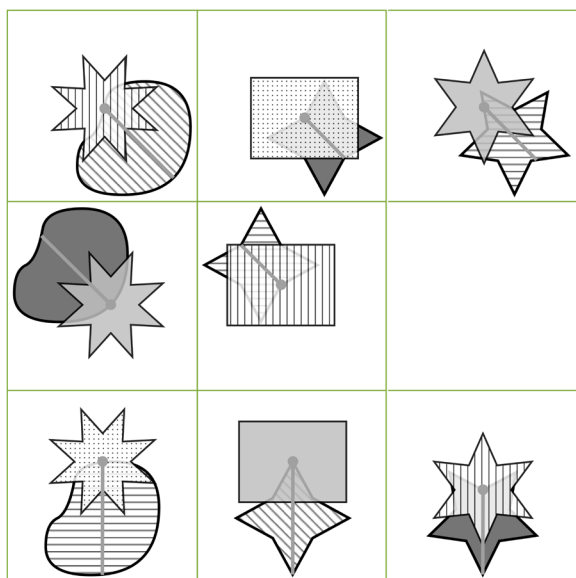
The answer is **b**.

## 1 Practice

Which figure should fill the empty square?



## 2 Practice



## **END OF PRACTICE**

**Non-Verbal Reasoning Subsection 2 begins on the next page.**

- **You have 4 minutes to complete Non-Verbal Reasoning Subsection 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.**

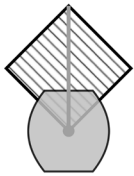
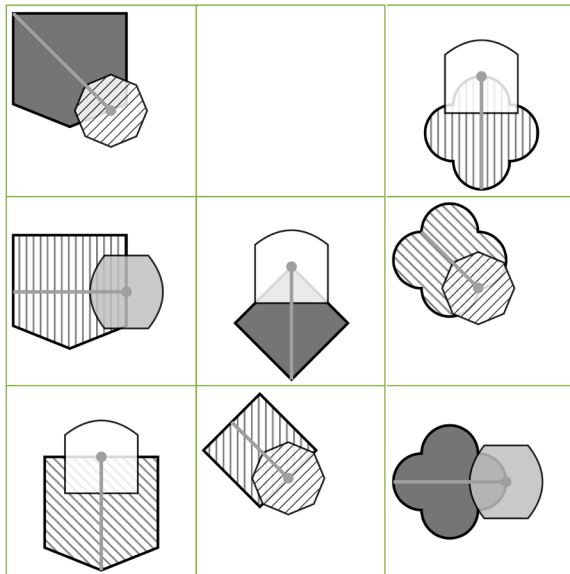


## Non-Verbal Reasoning Subsection 2

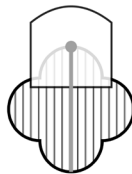
(4 minutes)

Which figure should fill the empty square? Mark its letter on your answer sheet.

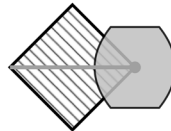
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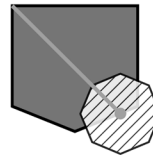
a



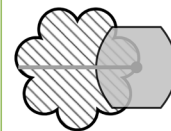
b



c

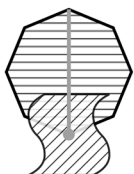
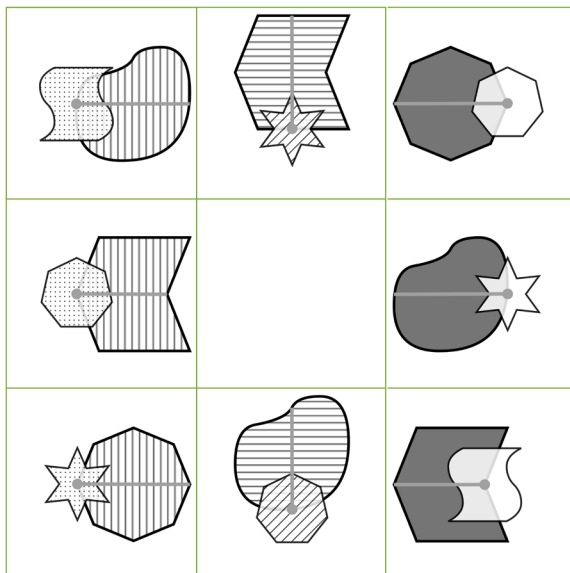


d

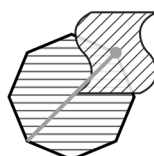


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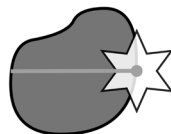
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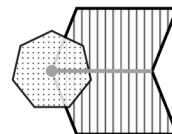
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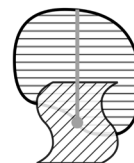
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c

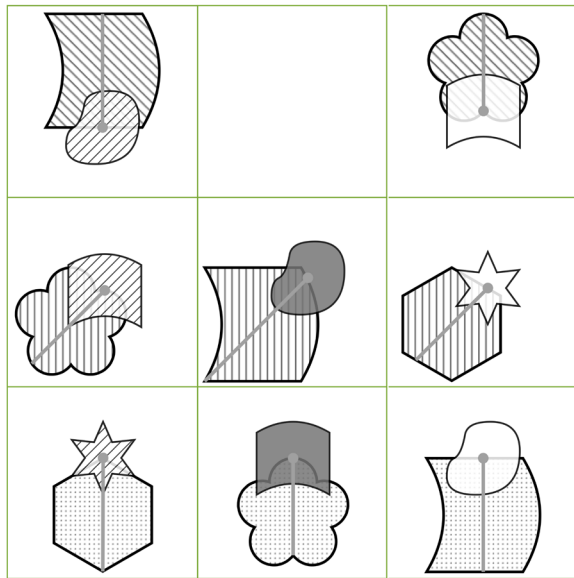


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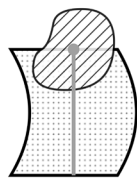


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3



a



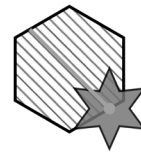
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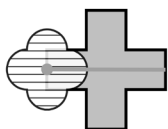
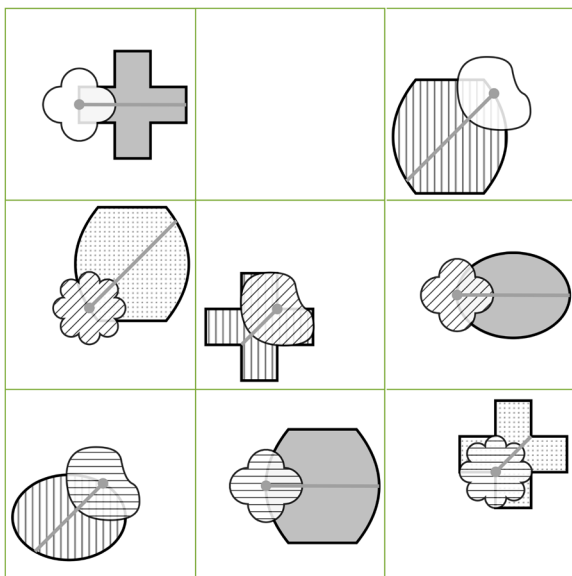


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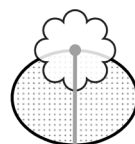
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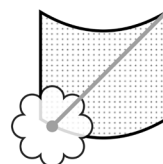
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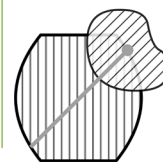
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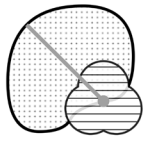
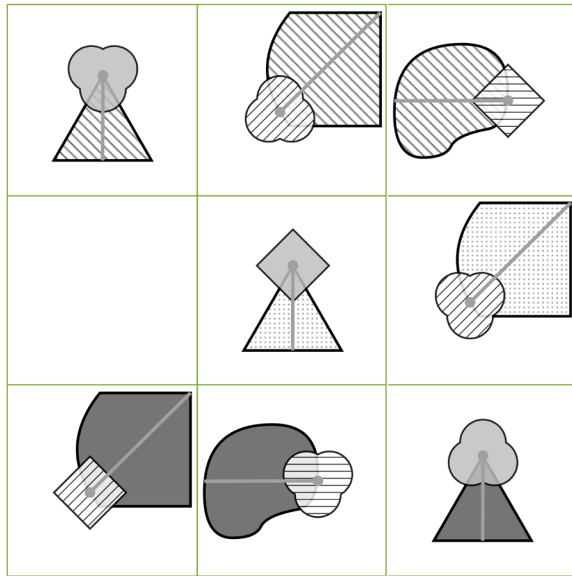


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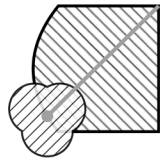


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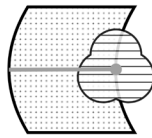
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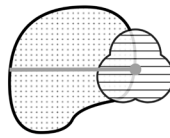
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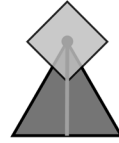
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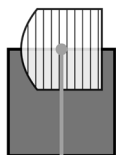
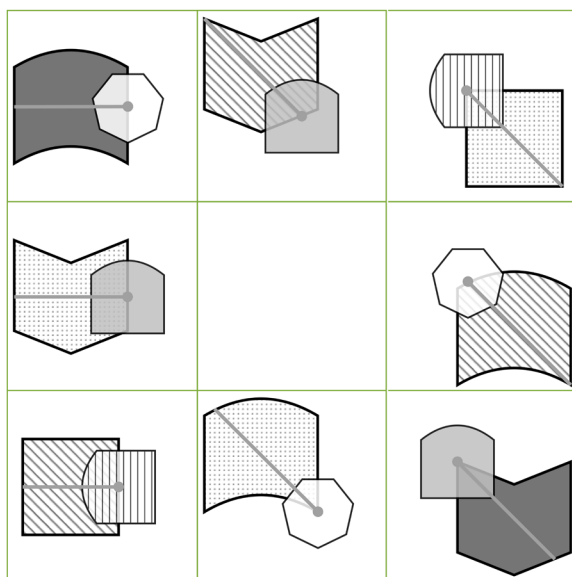


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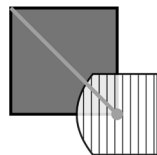


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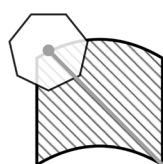
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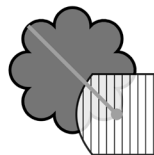
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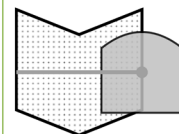
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c

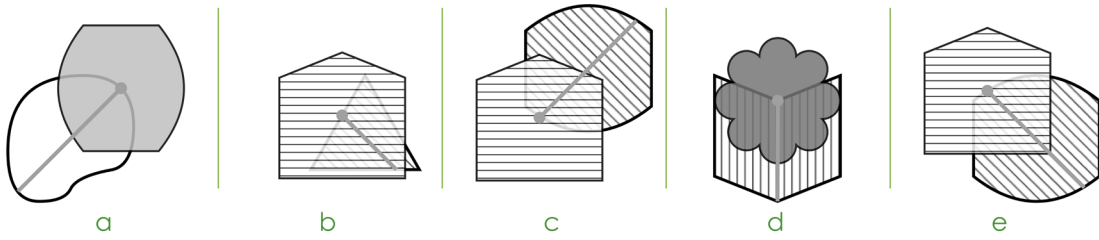
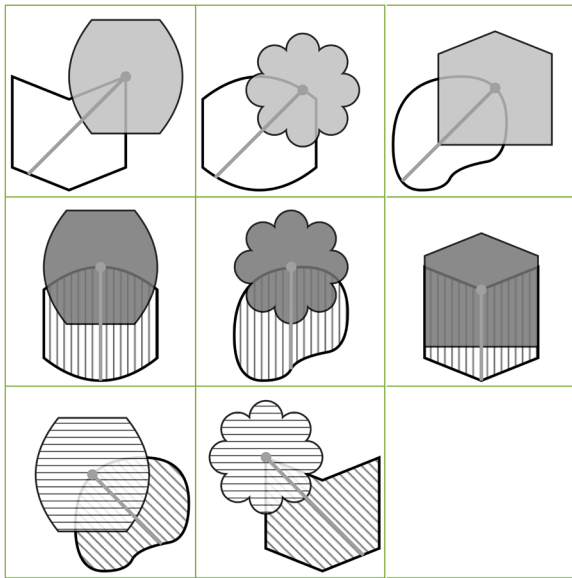


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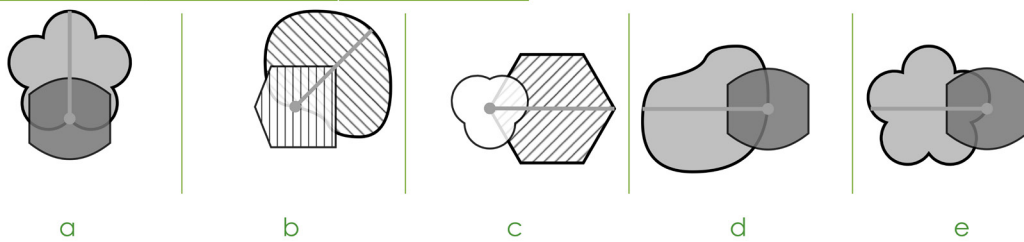
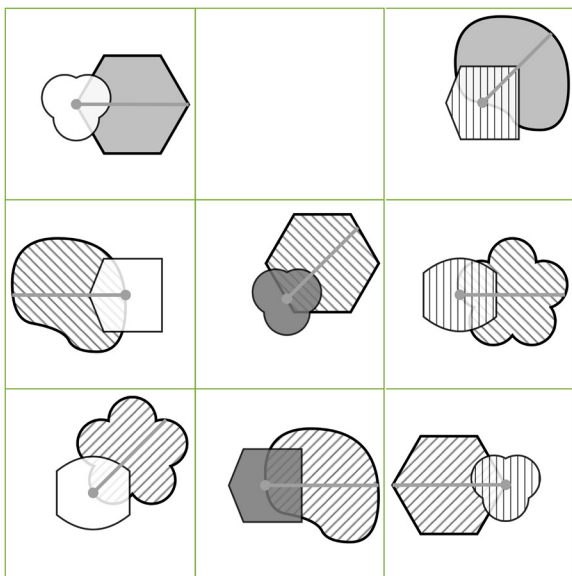


e

7



8



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

# Spatial Reasoning Practice

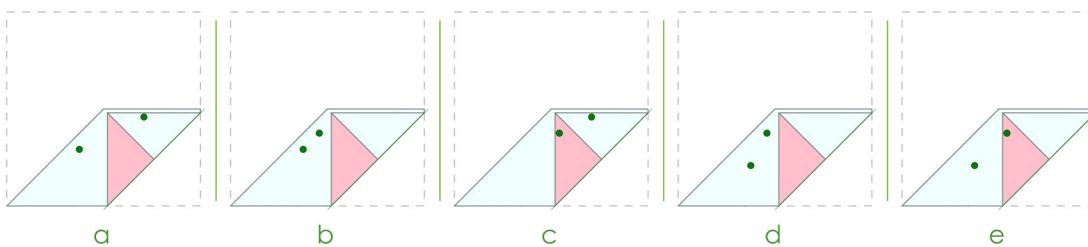
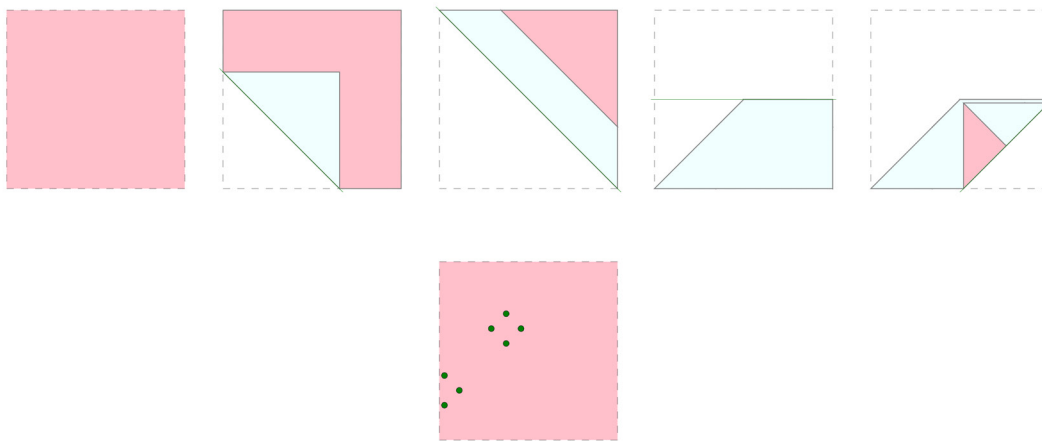
(untimed)

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.

In these questions, a square of paper is folded in the sequence shown. The next shape shows the paper unfolded, with holes. You must choose the figure that shows where the holes were punched. Choose the correct figure and mark it on your answer sheet.

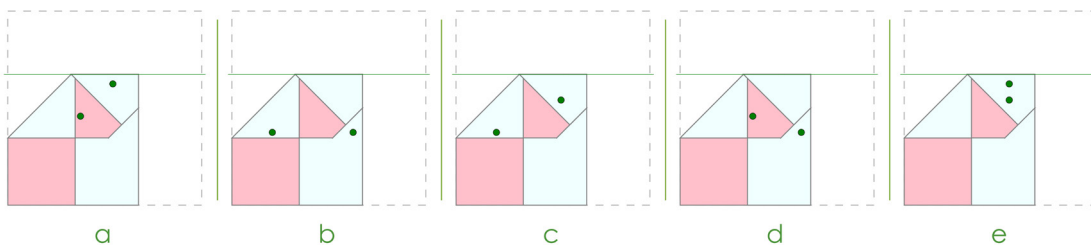
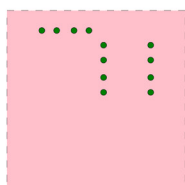
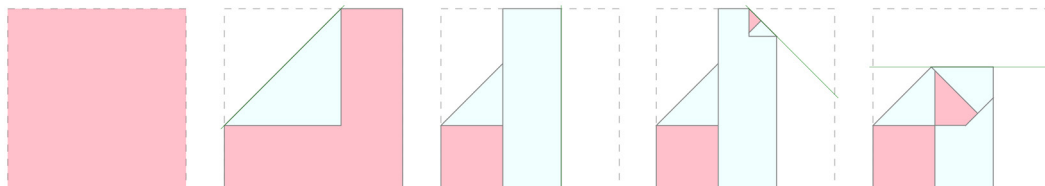
## A Example



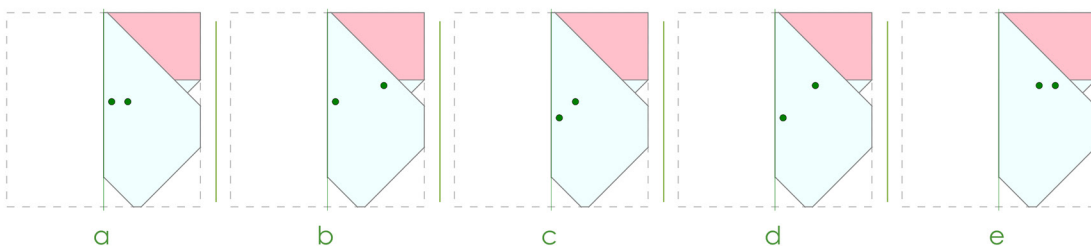
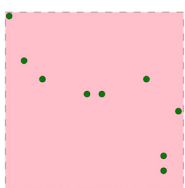
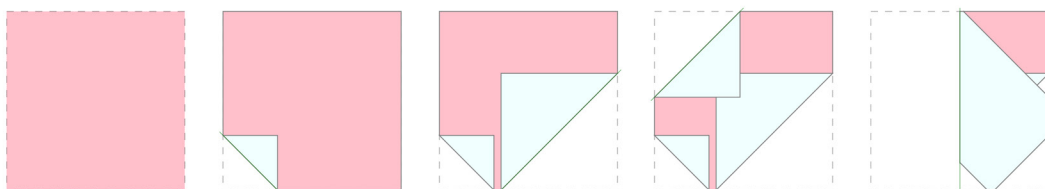
The answer is **b**.

## 1 Practice

Choose the figure that shows where the holes were punched.



## 2 Practice



## **END OF PRACTICE**

The Spatial Reasoning section begins on the next page.

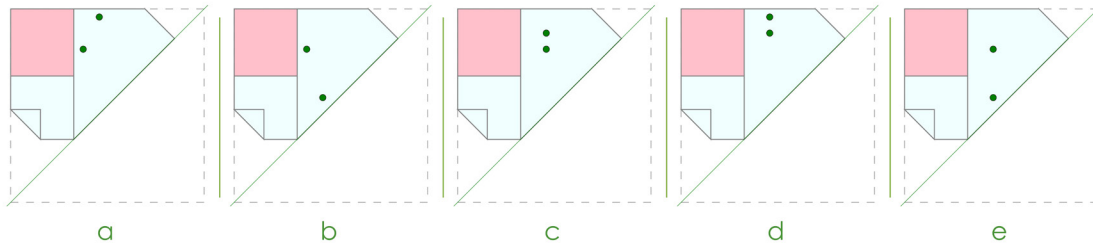
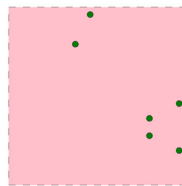
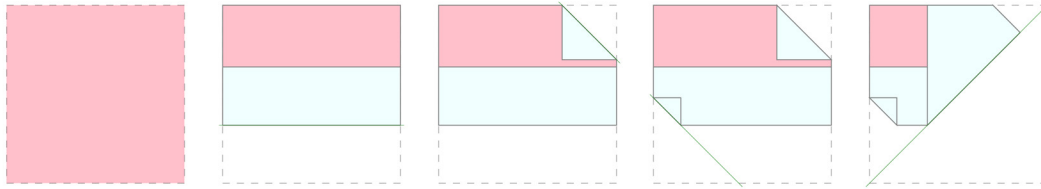
- You have 4 minutes to complete Non-Verbal Reasoning Subsection 2.
- There are 8 questions to answer.
- Your time will start when you turn over the page.
- Do not turn over the page until you are told to do so.

# Spatial Reasoning

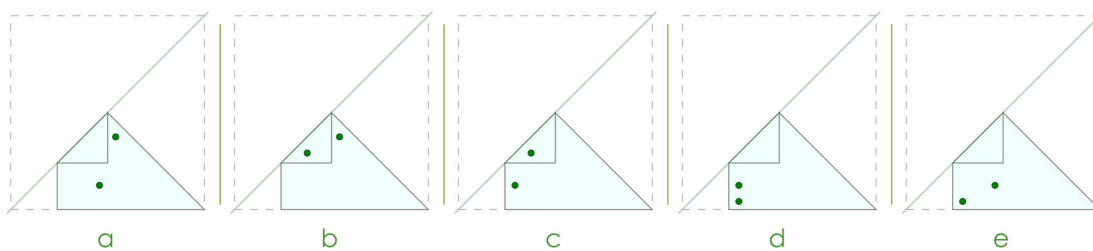
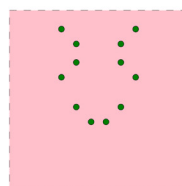
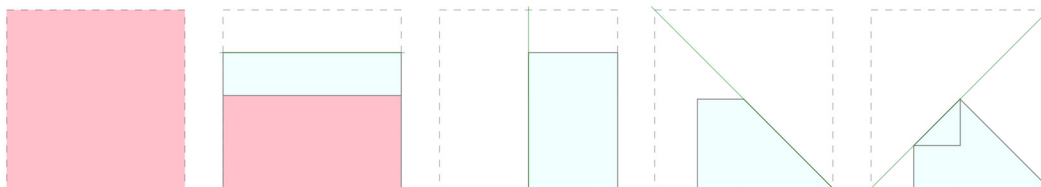
(4 minutes)

A square of paper is folded in the sequence shown. The next shape shows the paper unfolded, with holes. Where were the holes punched to create these holes? Mark its letter on your answer sheet.

1

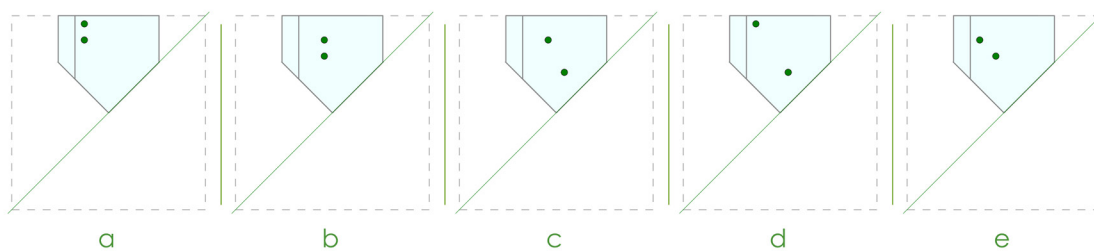
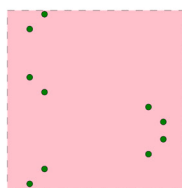


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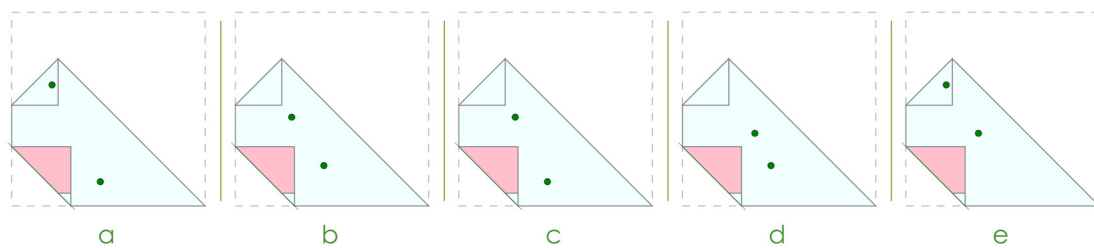
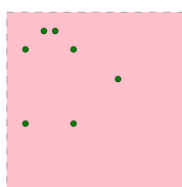
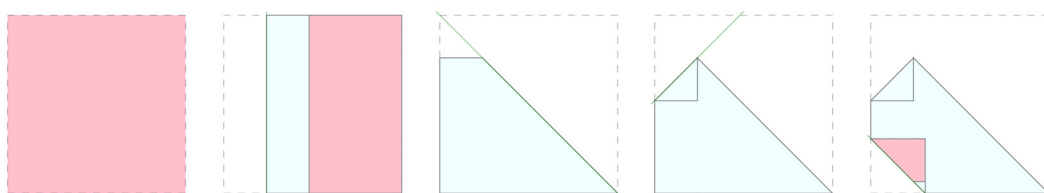




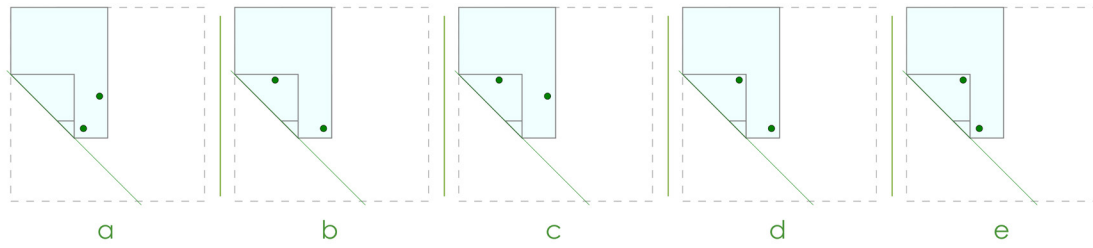
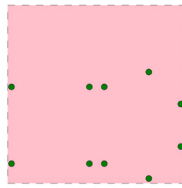
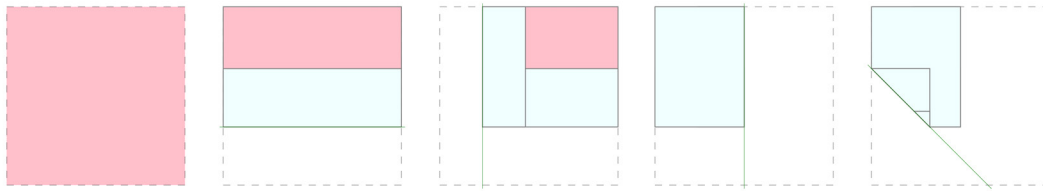
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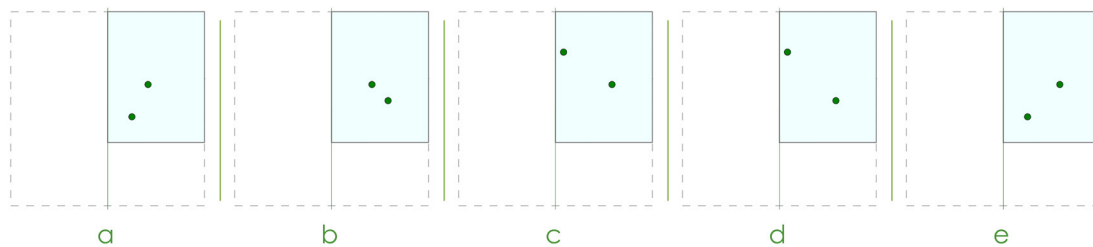
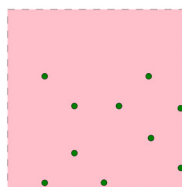
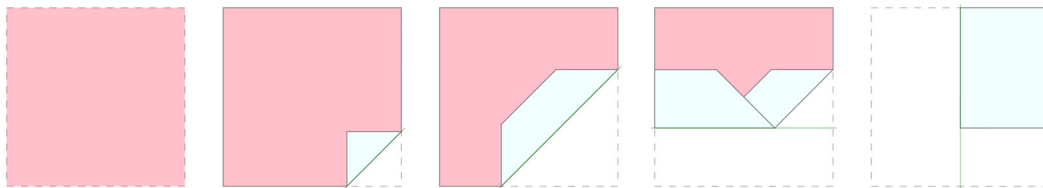
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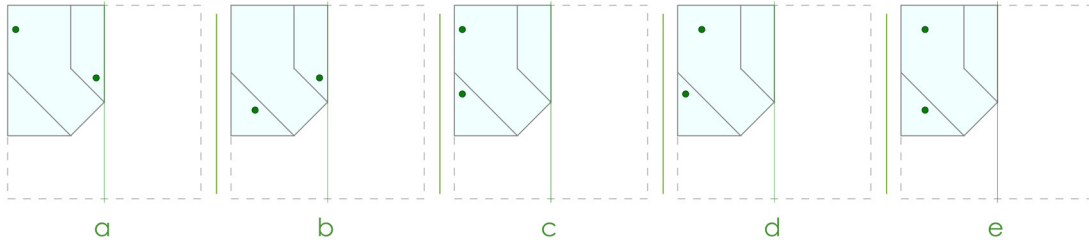
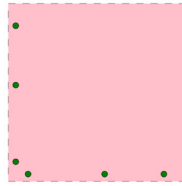
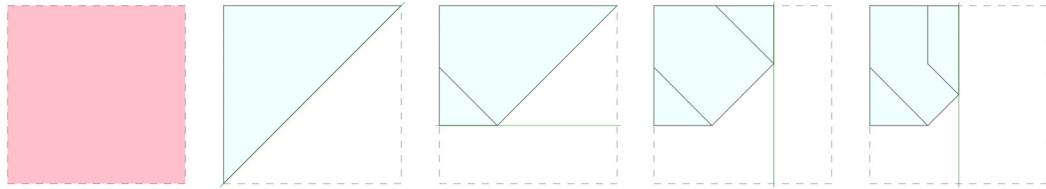
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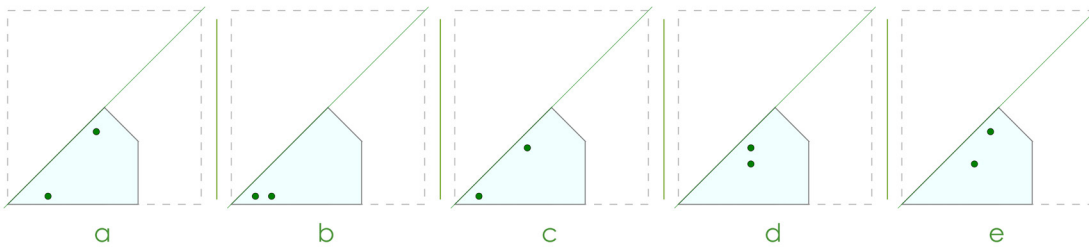
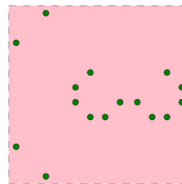
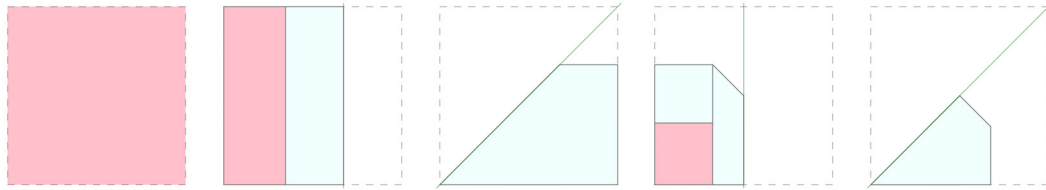
6



7



8



END OF PAPER A

