

# 11+ Westmidlands VR, NVR & SR, English, Maths Tests

✓ 8 Full-Length papers

✓ 1,400+ Questions

✓ Detailed Answers

✓ Topic-wise Exercises

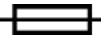


# 11+ Westmidlands


## Paper 1 – Session 1

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### Instructions:

1. **Do not turn over this page** until instructed to do so.
2. This test contains four tests:
  - Test 1: **Verbal Reasoning (VR)**
  - Test 2: **Non-Verbal and Spatial Reasoning (NVR/SR)**
  - Test 3: **English**
  - Test 3: **Mathematics**
3. The front page of each test contains specific instructions. **Read them carefully** before starting.
4. Listen carefully to the instructions **read out by the invigilator**. They will guide you through the test process.
5. Check that your **name** and **date of birth** are correctly shown on the answer sheet.
6. In the answer sheet, **mark** the correct answer by **drawing a line with your pencil** through the small rectangular box beside it like this. 
7. You must make sure that you **mark your answer in the box** that has the same question number as the question you are doing in the paper.
8. If you make a mistake, rub out your mark as well as you can and mark your new answer.
9. The answer sheet will be marked by a computer.
10. You may **do any rough work** on the question paper.
11. This is a **multiple-choice test**. The complete test takes one hour, with approximately 15 minutes for each section.
12. You will need an HB pencil, an eraser and a pencil sharpener. You will not be allowed to use a ruler, a calculator, a protractor, or scrap paper.

### to stop:

Do not turn the page until told to do so 

### to go on:

Please go on to the next page >>>

**or whether you have reached the end of the section/test.**

END OF REASONING TEST

# 11+ Westmidlands

## Session 1 - Test 1

### Verbal Reasoning

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#### Instructions:

1. Do not turn over this page until instructed to do so.
2. There are **four sub-tests**
3. Each sub-test begins with a practice section, where:
  - The **first question** is solved with a detailed solution.
  - The **remaining one question** is for you to attempt.
4. The practice section is followed by the main questions.
5. Each sub-test has **five main questions**.
6. Total time for the test is **15 minutes**.
7. Work quickly and carefully through the questions.
8. If you finish early, **go back and check** your work.
9. This is a **multiple-choice test**. Each question carries **1 mark**.



## Verbal Reasoning Sub-test 1 Practice Section

### Number Series

*In these questions, you are given a sequence of numbers that follow a particular pattern. Find the number that logically continues the sequence.*

#### Example

7 10 13 16 19 [?]

A 20

B 21

C 22

D 23

E 24

The answer is **C**, as in this series, you **add 3 each time**. The next number is  $19 + 3 = \mathbf{22}$ . Series can involve various operations (+, -,  $\times$ ,  $\div$ ) or have alternating patterns (e.g., one sequence for odd positions, another for even).

*Now try this practice question and mark the correct option on the answer sheet.*

P1

4 8 16 32 64 [?]

A 72

B 96

C 128

D 192

E 256

End of Verbal Reasoning Sub-test 1 Practice Section.



## Verbal Reasoning Sub-test 1

This section is **marked**.

***In these questions, you are given a sequence of numbers that follow a particular pattern. Find the number that logically continues the sequence and mark the correct option on the answer sheet.***

1

30 23 26 19 [?]

A 13

B 27

C 36

D 22

E 18

2

20 8 16 4 [?]

A 7

B 8

C 9

D 10

E 11

3

1 2 4 7 11 [?]

A 14

B 15

C 16

D 17

E 18

4

5 15 12 36 33 [?]

A 99

B 78

C 65

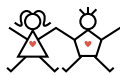
D 50

E 47



5      3    5    9    17    33    [?]  
A 60      B 65      C 68      D 71      E 75

End of Verbal Reasoning Sub-test 1



## Verbal Reasoning Sub-test 2 Practice Section

### Letters for Numbers

*In these questions, letters represent numbers. Work out the answer to the sum, then find its corresponding letter.*

#### Example

If  $F = 5$ ,  $G = 10$ ,  $H = 2$ ,  $I = 8$ ,  $J = 25$ ,  
then  $G + H + I + F = [?]$

**A** F                      **B** G                      **C** H                      **D** I                      **E** J

The answer is **J**. The numbers corresponding to the letters are  $F = 5$ ,  $G = 10$ ,  $H = 2$ ,  $I = 8$ , and  $J = 25$ . Applying the given equation:  $G + H + I + F = 10 + 2 + 8 + 5 = 25$  and **J = 25**.

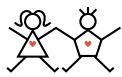
*Now try this practice question and mark the correct option on the answer sheet.*

**P2**

If  $Q = 20$ ,  $R = 4$ ,  $S = 5$ ,  $T = 2$ ,  $U = 10$ ,  
then  $(Q \div R) \times T = [?]$

**A** Q                      **B** R                      **C** S                      **D** T                      **E** U

End of Verbal Reasoning Sub-test 2 Practice Section.



## Verbal Reasoning Sub-test 2

*This section is **marked**.*

***In these questions, letters represent numbers. Work out the answer to the sum, then find its corresponding letter and mark the correct option on the answer sheet.***

6

If  $A = 2$ ,  $B = 3$ ,  $C = 8$ ,  $D = 14$ ,  $E = 16$ ,  
then  $(A \times B) + C = [?]$

A A

B C

C E

D B

E D

7

If  $A = 4$ ,  $E = 8$ ,  $I = 12$ ,  $O = 16$ ,  $U = 20$ ,  
then  $A^2 - I + E = [?]$

A A

B E

C I

D O

E U

8

If  $F = 5$ ,  $G = 9$ ,  $H = 15$ ,  $I = 20$ ,  $J = 23$ ,  
then  $F \times G \div H + I = [?]$

A F

B G

C H

D I

E J

9

If  $Q = 3$ ,  $R = 6$ ,  $S = 2$ ,  $T = 20$ ,  $U = 22$ ,  $V = 40$ ,  
then  $(Q \times R) + S + T = [?]$

A V

B S

C T

D U

E Q





10

If  $W = 10$ ,  $X = 2$ ,  $Y = 5$ ,  $Z = 3$ ,  $A = 33$ ,  $B = 25$ ,  
then  $W \times (Y - X) + Z = [?]$

A W

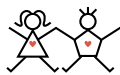
B X

C Y

D A

E Z

End of Verbal Reasoning Sub-test 2



## Verbal Reasoning Sub-test 3 Practice Section

### Making Words - Insert a Letter

*In these questions, the word in capitals has three missing letters that appear next to each other in the word. These three letters form a correctly spelled word without changing their order. The completed word must make sense in the sentence.*

#### Example

cros [?] table      glas [?] ing

**A** p                      **B** s                      **C** t                      **D** r                      **E** l

*The answer is **s**. The four new words formed are **cross**, **stable**, **glass**, and **sing**. Since 's' completes both words correctly in each case, the correct answer is **s**.*

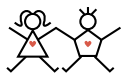
*Now try this practice question and mark the correct option on the answer sheet.*

**P3**

boo [?] ing      pac [?] ey

**A** c                      **B** p                      **C** k                      **D** m                      **E** r

End of Verbal Reasoning Sub-test 3 Practice Section.



## Verbal Reasoning Sub-test 3

This section is **marked**.

**In these questions, the word in capitals has three missing letters that appear next to each other in the word. These three letters form a correctly spelled word without changing their order. The completed word must make sense in the sentence. Find the word and mark the correct option on the answer sheet.**

11 cli [?] ay      sto [?] en  
A t      B s      C p      D r      E l

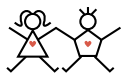
12 plu [?] top      les [?] wim  
A p      B t      C l      D r      E s

13 dru [?] ere      tea [?] ate  
A l      B k      C r      D m      E n

14 traffi [?] ar      electri [?] ity  
A s      B c      C t      D l      E r

15 sprin [?] et      lon [?] ain  
A k      B n      C g      D p      E t

End of Verbal Reasoning Sub-test 3



## Verbal Reasoning Sub-test 4 Practice Section

### Move a letter

*In these questions, one letter can be moved from the first word to the second word to form two new words. The letters must stay in the same order, and both new words must make sense. Choose the letter that moves.*

#### Example

steam car

**A** s                      **B** t                      **C** e                      **D** a                      **E** m

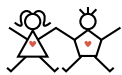
*The answer is **t**. When removed from the word '**steam**', we get the new word '**seam**'. When added to the word '**car**', we get the new word cart. The letters have not been rearranged, and both words make sense.*

*Now try this practice question and mark the correct option on the answer sheet.*

**P4** speak in

**A** p                      **B** e                      **C** a                      **D** k                      **E** s

End of Verbal Reasoning Subtest 4 Practice Section.



## Verbal Reasoning Sub-test 4

*This section is **marked**.*

***In these questions, one letter can be moved from the first word to the second word to form two new words. The letters must stay in the same order, and both new words must make sense. Choose the letter that moves and mark the correct option on the answer sheet.***

16 cold are

A o

B l

C d

D c

E a

17 tear able

A e

B a

C r

D t

E l

18 shave are

A s

B h

C a

D v

E e

19 scent row

A s

B c

C e

D n

E t



20 bring ice

A b

B g

C i

D n

E r

End of Verbal Reasoning Sub-test 4

# 11+ West Midlands

## Session 1 – Test 2

### Non-Verbal & Spatial Reasoning

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#### Instructions:

1. **Do not turn over this page** until instructed to do so.
2. There are **three sub-tests**.
3. Each sub-test begins with a **practice section**, where:
  - The **first question** is solved with a detailed solution.
  - The remaining **one question** is for you to attempt.
4. The practice section is followed by the main questions.
5. Each sub-test has **six main questions**.
6. Total time for the test is **15 minutes**.
7. Work quickly and carefully through the questions.
8. If you finish early, **go back and check** your work.
9. This is a **multiple-choice test**. Each question carries **1 mark**.

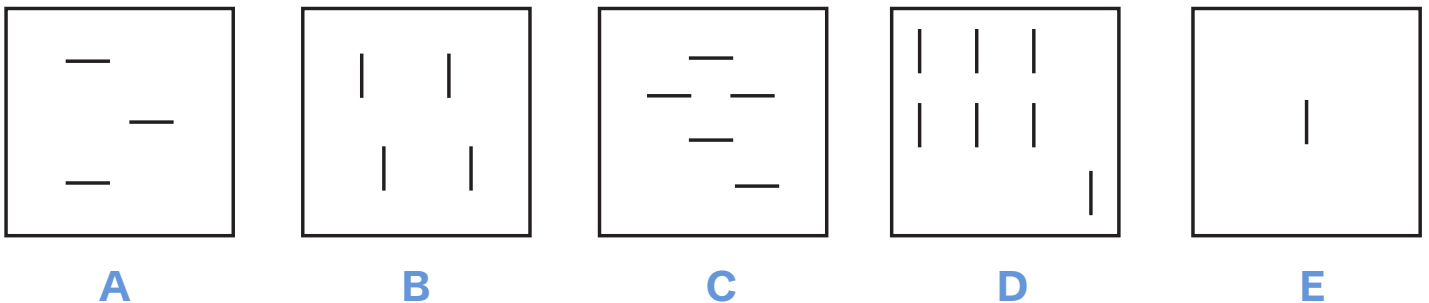


## Non-Verbal Reasoning Sub-test 1 Practice Section

### Odd One Out

*In each of the rows below there are five figures. Find the figure in each row that is most unlike the other four.*

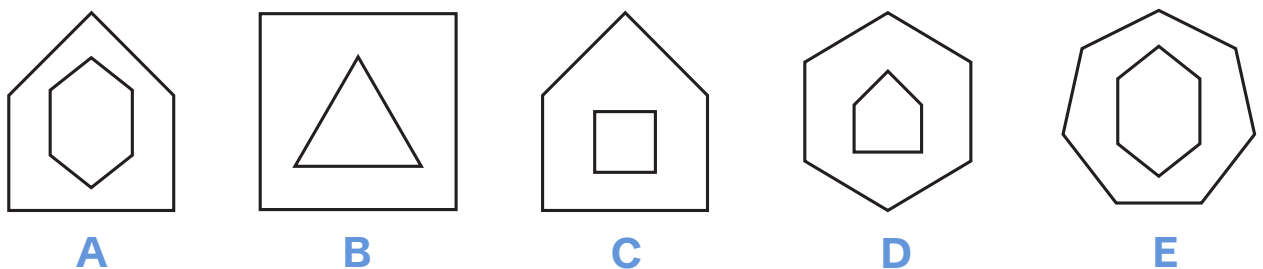
#### Example



*The correct answer is **B** because in all of the figures there are odd number of lines except **B** which has even number of lines, so **B** is the odd one out.*

*Now try this practice question and mark the correct option on the answer sheet.*

P1



End of the Non-Verbal Reasoning Sub-test 1 Practice Section



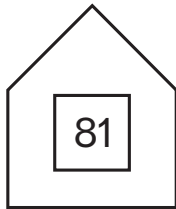


## Non-Verbal Reasoning Sub-test 1

This section is **marked**.

**In each of the rows below there are five figures. Find the figure in each row that is most unlike the other four and mark its letter on the answer sheet.**

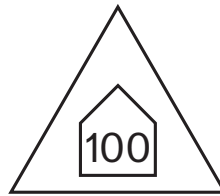
1



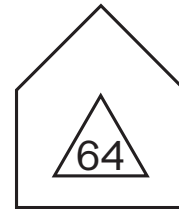
A



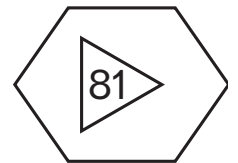
B



C

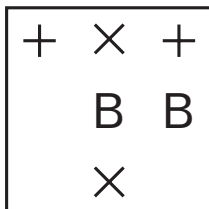


D

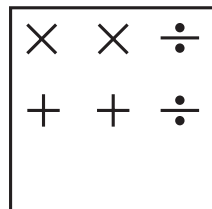


E

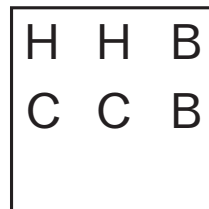
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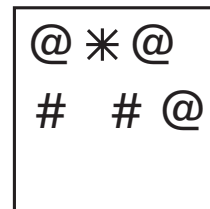
A



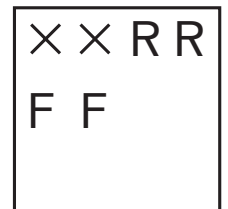
B



C

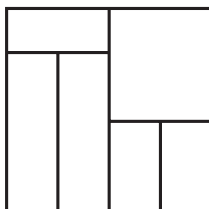


D

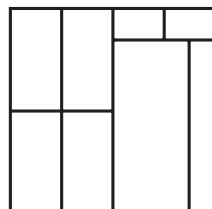


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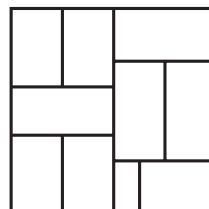
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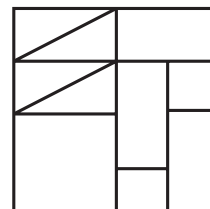
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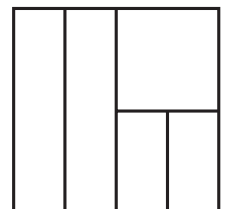
B



C



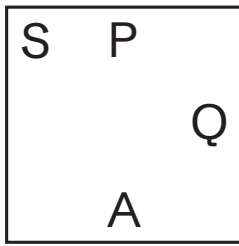
D



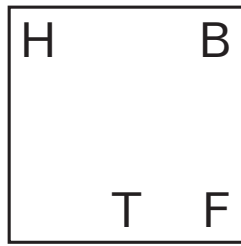
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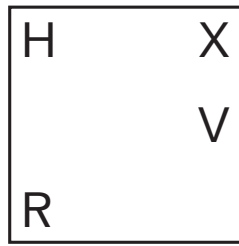
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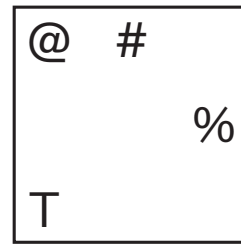
A



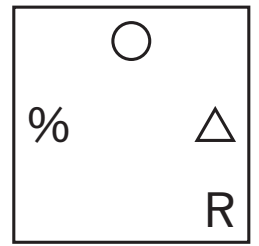
B



C

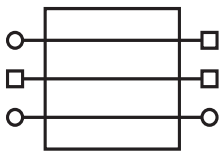


D

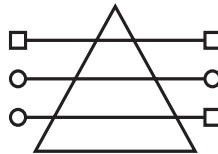


E

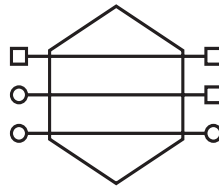
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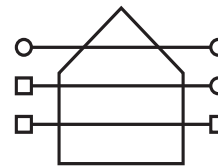
A



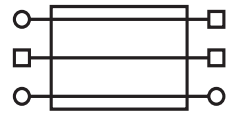
B



C

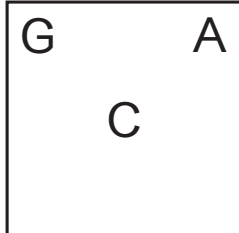


D

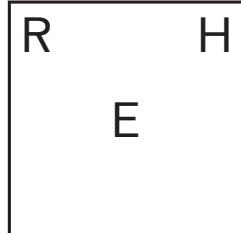


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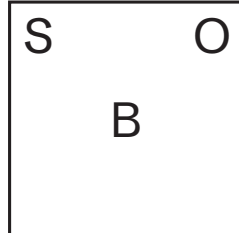
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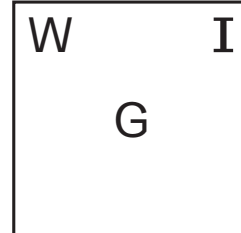
A



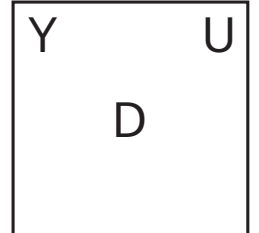
B



C



D



E

End of Non-Verbal Reasoning Sub-test 1

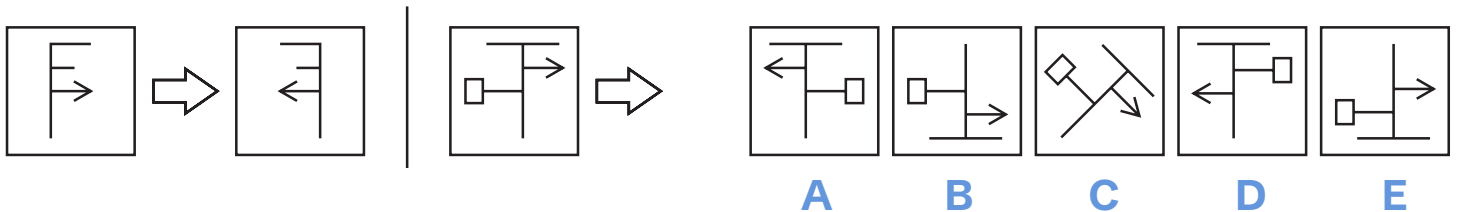


## Non-Verbal Reasoning Sub-test 2 Practice Section

### Analogy

*On the left, two shapes are shown with an arrow between them, indicating a relationship. A third shape follows, with an arrow and five answer choices. Select the shape that pairs with the third shape in the same way as the first pair.*

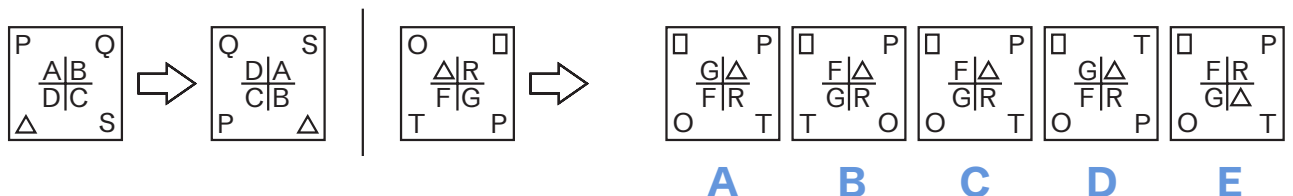
#### Example



The correct answer is **A** because the first figure is horizontally mirrored to get the second figure, so the same horizontal mirroring is applied to the third figure, making option **A** the correct match.

*Now try this practice question and mark the correct option on the answer sheet.*

P2



End of the Non-Verbal Reasoning Sub-test 2 Practice Section

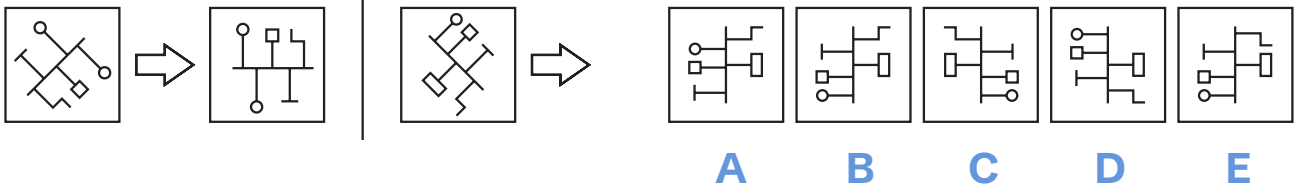


## Non-Verbal Reasoning Sub-test 2

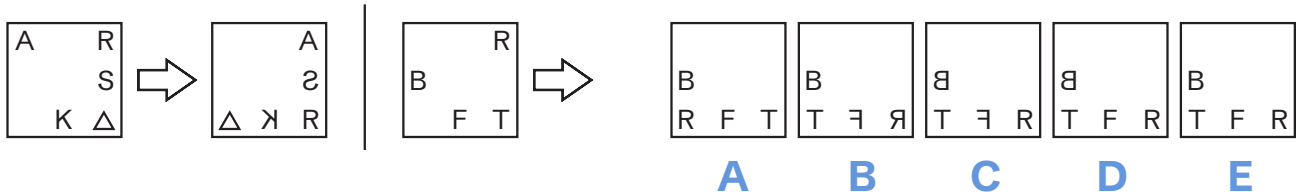
This section is **marked**.

On the left, two shapes are shown with an arrow between them, indicating a relationship. A third shape follows, with an arrow and five answer choices. Select the shape that pairs with the third shape in the same way as the first pair and mark its letter on your answer sheet.

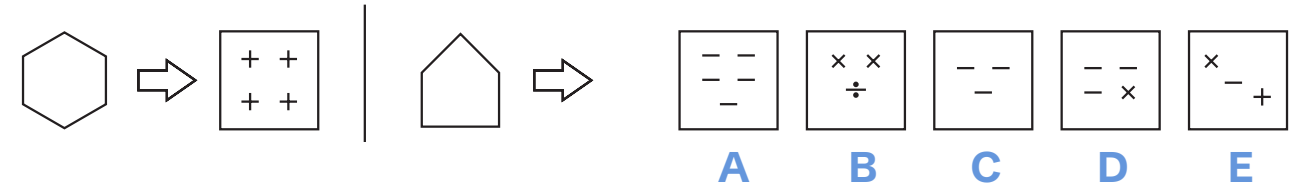
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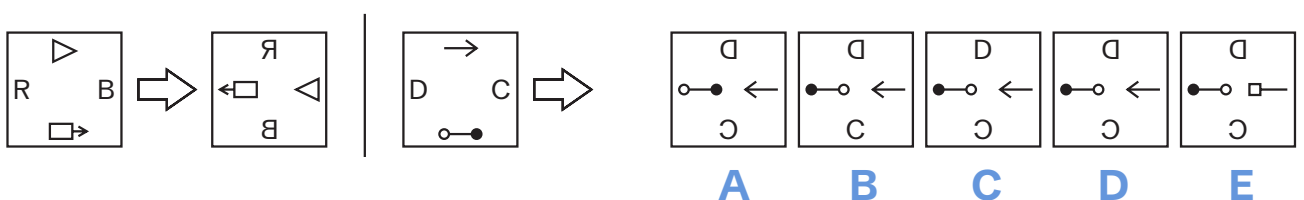
8



9

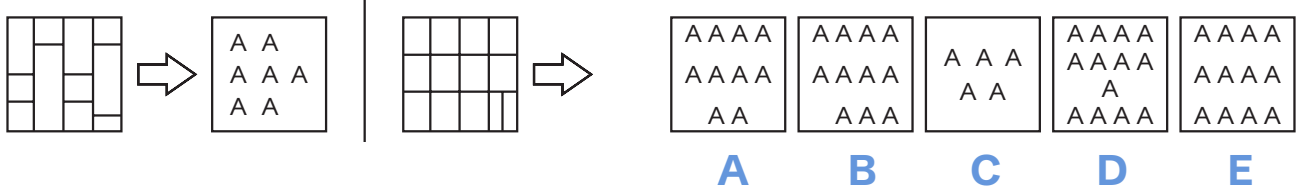


10

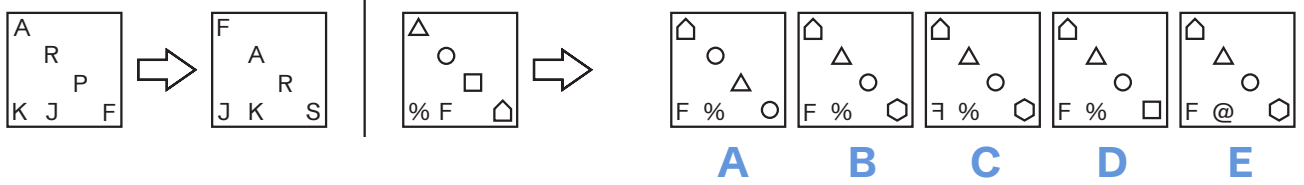




11



12



End of Non-Verbal Reasoning Sub-test 2

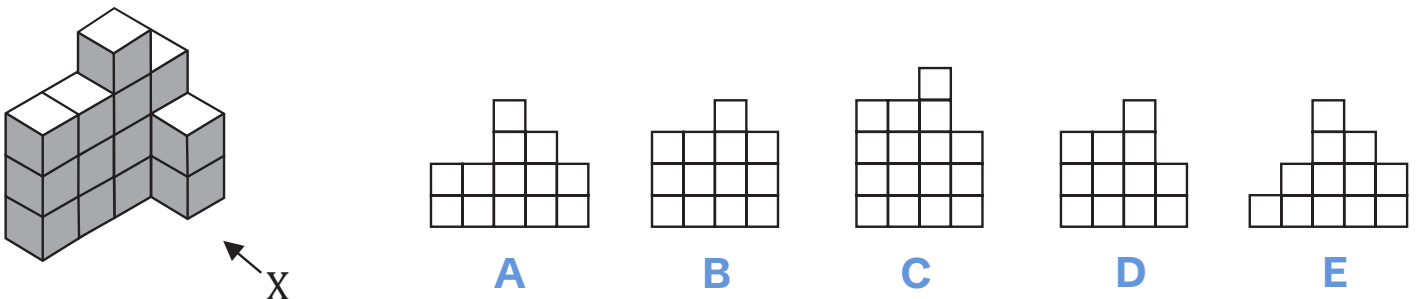


## Spatial Reasoning Sub-test 3 Practice Section

### 3D Shapes

**A 3D shape is shown on the left with a marked viewpoint (X). On the right, there are five 2D views. One of them represents the correct front view of the 3D shape when looked at from point X. Identify the correct 2D view.**

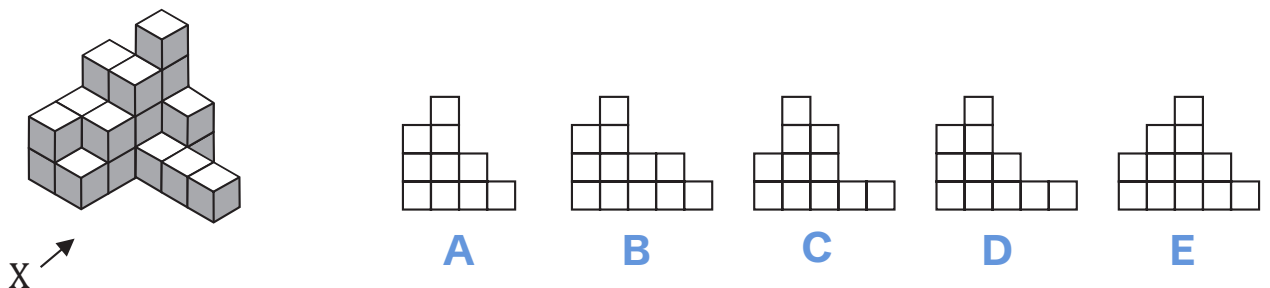
#### Example



The correct answer is **B**. While looking from point X, there are three blocks each visible on two left most rows. There blocks are visible on rightmost row. Four blocks are visible in second row from right.

**Now try this practice question and mark the correct option on the answer sheet.**

P3



End of the Spatial Reasoning Sub-test 3 Practice Section

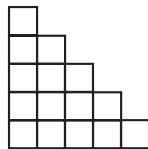
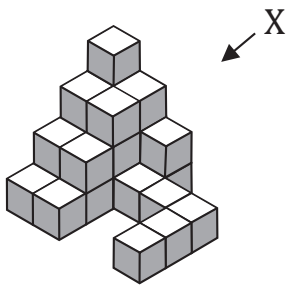


### Spatial Reasoning Sub-test 3

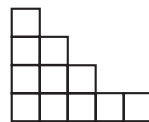
This section is **marked**.

**A 3D shape is shown on the left with a marked viewpoint (X). On the right, there are five 2D views. One of them represents the correct front view of the 3D shape when looked at from point X. Identify the correct 2D view and mark its letter on your answer sheet.**

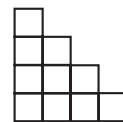
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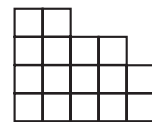
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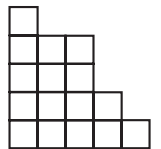
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C

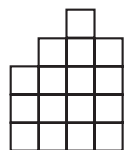
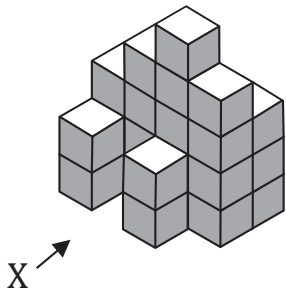


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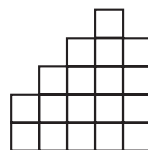


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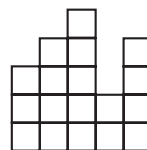
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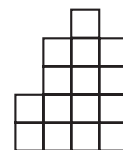
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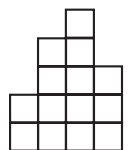
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C

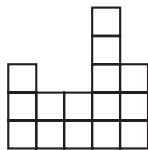
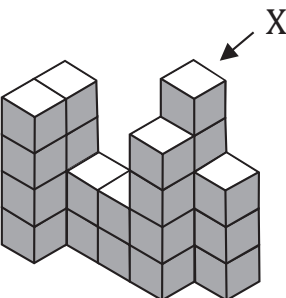


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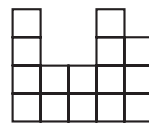


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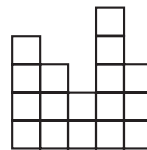
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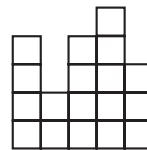
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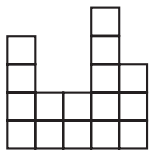
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C



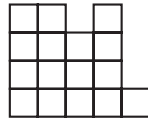
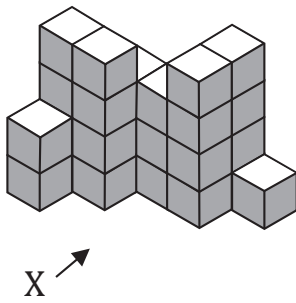
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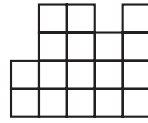
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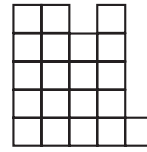
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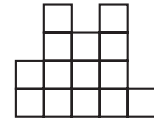
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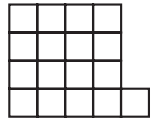
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C

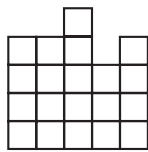
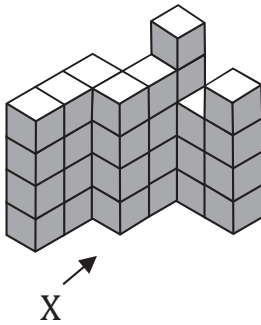


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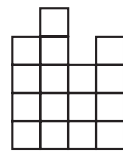


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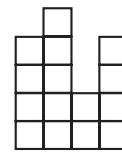
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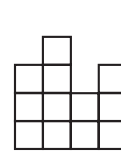
A



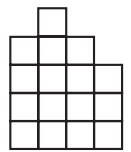
B



C

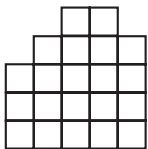
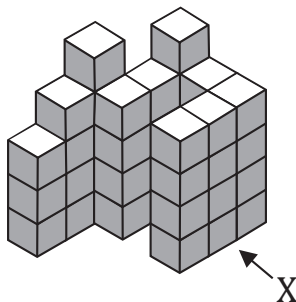


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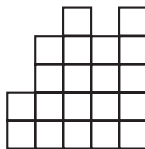


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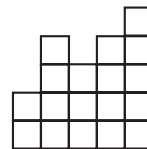
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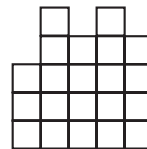
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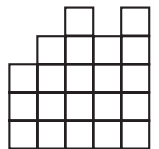
B



C



D



E

End of Spatial Reasoning Sub-test 3



# 11+ West Midlands

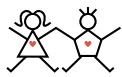
## Session 1 - Test 3

### English

---

#### Instructions:

1. Do not turn over this page until instructed to do so.
2. This is a Reading Comprehension test.
3. The test begins with a practice section.
4. The practice section contains one passage with two practice questions.
5. The practice section is followed by the 10 main questions.
6. Total time for the test is 15 minutes.
7. Work quickly and carefully through the questions.
8. If you finish early, go back and check your work.
9. This is a multiple-choice test. Each question carries 1 mark.



## English - Practice Section

### Reading Comprehension

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

### Looking Glass House

1. One thing was certain, that the white kitten had had nothing to do with it:—it was the black kitten's fault entirely. For the white kitten had been having its face washed by the old cat for the last quarter of an hour (and bearing it pretty well, considering); so you see that it couldn't have had any hand in the mischief.
  
5. The way Dinah washed her children's faces was this: first she held the poor thing down by its ear with one paw, and then with the other paw she rubbed its face all over, the wrong way, beginning at the nose: and just now, as I said, she was hard at work on the white kitten, which was lying quite still and trying to purr—no doubt feeling that it was all meant for its good.

*Please 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.*

P1

According to the passage, why couldn't the white kitten have been responsible for the mischief?

- A It was sleeping peacefully in another room
- B It had been having its face washed by Dinah for fifteen minutes
- C It was too young to cause any trouble
- D It was being held by the narrator
- E It was playing outside in the garden



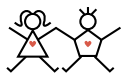
P2

What does the word “mischief” mean in line 4?

- A Playful behaviour
- B Troublesome or naughty behaviour
- C Cleaning activities
- D Sleeping habits
- E Eating problems

**This is the end of the English practice section.**





## English

*This section is **marked**.*

### **Reading Comprehension**

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

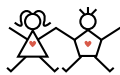
### **A Shifting Reef**

*In this passage, we learn of a strange object that has appeared in the water, off the coast of Australia.*

1. The year 1866 was signalled by a remarkable incident, a mysterious and puzzling phenomenon, which doubtless no one has yet forgotten. Not to mention rumours which agitated the maritime population and excited the public mind, even in the interior of continents, seafaring men were particularly excited. Merchants, common
5. sailors, captains of vessels, skippers, both of Europe and America, naval officers of all countries, and the Governments of several states on the two continents, were deeply interested in the matter.

- For some time past, vessels had been met by “an enormous thing,” a long object, spindle-shaped, occasionally phosphorescent, and infinitely larger and more rapid
10. in its movements than a whale.

- The facts relating to this apparition (entered in various log-books) agreed in most respects as to the shape of the object or creature in question, the untiring rapidity of its movements, its surprising power of locomotion, and the peculiar life with which it seemed endowed. If it was a cetacean, it surpassed in size all those
15. hitherto classified in science. Taking into consideration the mean of observations made at divers times,—rejecting the timid estimate of those who assigned to this object a length of two hundred feet, equally with the exaggerated opinions which set it down as a mile in width and three in length,—we might fairly conclude that this mysterious being surpassed greatly all dimensions admitted by the ichthyologists



20. of the day, if it existed at all. And that it did exist was an undeniable fact; and, with that tendency which disposes the human mind in favour of the marvellous, we can understand the excitement produced in the entire world by this supernatural apparition. As to classing it in the list of fables, the idea was out of the question.

25. On the 20th of July, 1866, the steamer Governor Higginson, of the Calcutta and Burnach Steam Navigation Company, had met this moving mass five miles off the east coast of Australia. Captain Baker thought at first that he was in the presence of an unknown sandbank; he even prepared to determine its exact position, when two columns of water, projected by the inexplicable object, shot with a hissing noise a hundred and fifty feet up into the air. Now, unless the sandbank had been submitted to the intermittent eruption of a geyser, the Governor Higginson had to do neither more nor less than with an aquatic mammal, unknown till then, which threw up from its blow-holes columns of water mixed with air and vapour.
- 30.



*Please 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

**What was reported to have been seen in the waters off the east coast of Australia?**

- A** An unknown sandbank
- B** A large aquatic mammal
- C** A mysterious moving object
- D** A shifting reef
- E** A new type of geyser

2

**According to the passage, who was particularly excited by the reported phenomenon?**

- A** Scientists and researchers
- B** Seafaring men
- C** The Australian government
- D** Newspaper reporters
- E** Coastal residents



3

What does the word “phosphorescent” (line 9) most nearly mean in the passage?

- A Extremely large
- B Moving quickly
- C Changing shape
- D Emitting light without heat
- E Appearing suddenly

4

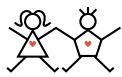
Which of the following is closest in meaning to “apparition” (line 11)?

- A Creature
- B Ghostly presence
- C Myth
- D Monster
- E Disturbance

5

In the phrase “equally with the exaggerated opinions” (line 17), what part of speech is the word “equally”?

- A Adverb
- B Adjective
- C Noun
- D Verb
- E Conjunction



6

**Identify the literary device used in the following phrase: ‘the idea was out of the question.’ (line 23)**

- A Personification
- B Hyperbole
- C Metaphor
- D Irony
- E Idiom

7

**Based on the passage, what can be inferred about the author’s attitude towards the phenomenon?**

- A The author believes it was definitely a new species
- B The author is sceptical about the sightings
- C The author presents it as a fascinating mystery
- D The author thinks it was just a natural geological formation
- E The author finds the public’s reaction exaggerated

8

**What was Captain Baker’s most likely conclusion about the object after seeing the columns of water?**

- A It was definitely a whale
- B It was a kind of marine mammal
- C It was a dangerous predator
- D It was a submarine vessel
- E It was still possibly a sandbank





9

**How did Captain Baker respond to his initial sighting of the object?**

- A** With immediate fear and retreat
- B** With disbelief and dismissal
- C** With confusion and uncertainty
- D** With excitement and wonder
- E** With scientific curiosity and investigation

10

**Which TWO statements best explain why the sighting caused global excitement?**

**Choose TWO.**

- 1 The object had never been captured.
- 2 It showed signs of life and intelligence.
- 3 It was larger and faster than a whale.
- 4 It resembled sea creatures from myths.
- 5 It had previously attacked ships.

- A** 1 and 4
- B** 2 and 3
- C** 3 and 5
- D** 2 and 4
- E** 1 and 5

# 11+ West Midlands

## Session 1 - Test 4

### Maths

---

#### Instructions:

1. **Do not turn over this page** until instructed to do so.
2. The test begins with a practice section.
3. The practice section includes 3 questions.
4. The practice section is followed by the main questions.
5. Total time for the test is **15 minutes**.
6. Work quickly and carefully through the questions.
7. If you finish early, go back and check your work.
8. This is a **multiple-choice test**. Each question carries **1 mark**.



## Maths: Practice Section (5 mins)

*Try practice questions below. Work out the correct answer and mark it on the answer sheet.*

**P1**

Write 0.35 as a fraction and simplify your answer.

**A**  $\frac{7}{20}$

**B**  $\frac{7}{25}$

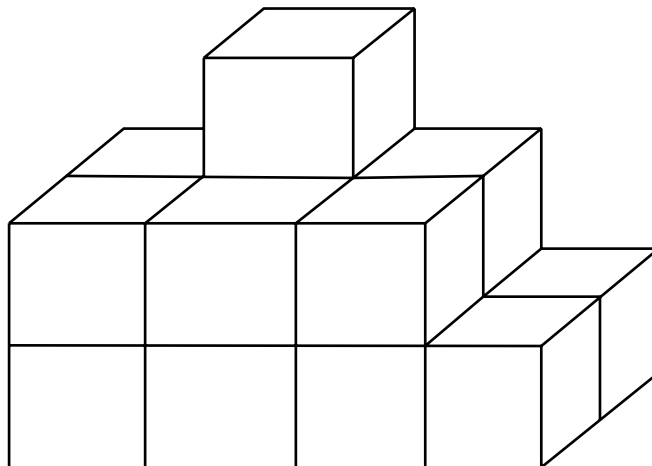
**C**  $\frac{3}{8}$

**D**  $\frac{7}{21}$

**E**  $\frac{7}{19}$

**P2**

A building block from a toy set is made up of 15 cubes stacked together as shown below. I want to paint all the visible parts of the building block, including the bottom.



How many cube faces do I need to paint?

**A** 44

**B** 48

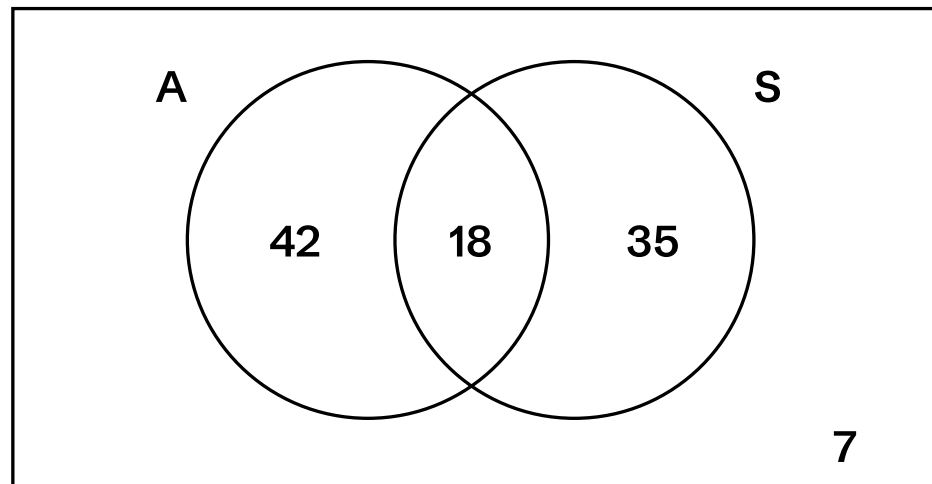
**C** 40

**D** 42

**E** 46

**P3**

The members of a drama club were asked if they liked acting and if they liked singing. The results are shown in the Venn diagram below.



How many children are in the drama club?

- A** 102      **B** 95      **C** 112      **D** 88      **E** 77

This is the end of the Maths practice section.



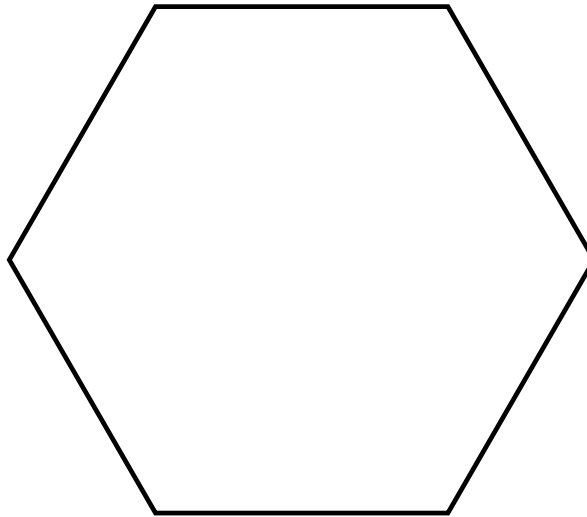


## Maths

*This section is **marked**.*

1

Find the sum of the interior angles of the following 2D shape.



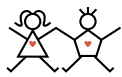
- A**  $540^\circ$       **B**  $360^\circ$       **C**  $180^\circ$       **D**  $720^\circ$       **E**  $1080^\circ$

2

Train travel costs £28.00 for the first 100 miles. For distances over 100 miles, there is an additional cost of £0.35 per mile.

**Calculate the total cost of the journey if James travelled 275 miles by train.**

- A** £96.25      **B** £89.25      **C** £90.25      **D** £88.75      **E** £87.25



**3** If  $p = 4$ ,  $q = -2$  and  $r = 5$ , find the value of  $pq - r$ .

**A** -12

**B** -5

**C** -13

**D** 3

**E** 5

**4** Write the following numbers in order of size, starting with the smallest.

0.28,  $\frac{5}{10}$ , 0.325,  $\frac{29}{100}$ , 0.3

**A** 0.28,  $\frac{5}{10}$ , 0.325,  $\frac{29}{100}$ , 0.3

**B** 0.28,  $\frac{5}{10}$ , 0.3,  $\frac{29}{100}$ , 0.325

**C** 0.28,  $\frac{29}{100}$ , 0.3,  $\frac{5}{10}$ , 0.325

**D**  $\frac{5}{10}$ , 0.28, 0.3, 0.325,  $\frac{29}{100}$

**E** 0.28,  $\frac{29}{100}$ , 0.3, 0.325,  $\frac{5}{10}$

**5** How many centimetres are there in 3.72 m?

**A** 37.2

**B** 372

**C** 3.72

**D** 3720

**E** 0.372



6

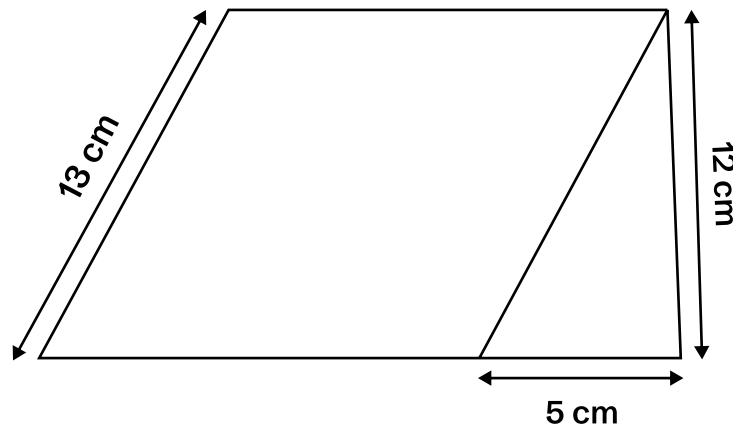
Sophie thinks of a number. She multiplies this number by 3 and then subtracts 17. Her answer is 25.

**What was her original number?**

- A** 12      **B** 13      **C** 14      **D** 15      **E** 16

7

A trapezium is formed by joining a rhombus with side length 13 cm to a right-angled triangle whose base is 5 cm and height is 12 cm.



**Find the area of the trapezium.**

- A** 186 cm<sup>2</sup>      **B** 172 cm<sup>2</sup>      **C** 184 cm<sup>2</sup>      **D** 196 cm<sup>2</sup>      **E** 180 cm<sup>2</sup>

8

**Find the value of  $2\frac{3}{4} + 3\frac{1}{3}$**

- A**  $6\frac{1}{12}$       **B**  $6\frac{1}{6}$       **C**  $5\frac{5}{6}$       **D**  $5\frac{11}{12}$       **E**  $6\frac{1}{3}$



9

What is the mean of 6.4, 9.2, 7.8, and 8.6?

A 7

B 8

C 9

D 10

E 11

10

Tom and Lisa have collected some apples from the orchard. Tom has 8 fewer apples than Lisa. Together they have 36 apples.

How many apples does Tom have?

A 22

B 14

C 16

D 12

E 18

11

How many lines of symmetry does a regular hexagon have?

A 3

B 4

C 5

D 6

E 8

12

On a library shelf, there are 8 fiction books, 4 biography books and 3 reference books.

What is the probability of randomly selecting a biography book from the shelf?

A  $\frac{4}{15}$ B  $\frac{1}{2}$ C  $\frac{1}{4}$ D  $\frac{3}{5}$ E  $\frac{2}{7}$





13

I buy 4 notebooks costing 72p each.

**How much change do I get from £10?**

**A** £7.12

**B** £7.12

**C** £7.02

**D** £3.12

**E** £6.98

14

Oliver runs three times as fast as his brother, Max. Max runs twice as fast as their sister, Sophie. They all start jogging from the same point along a straight track.

**When Oliver has run 900 m, how far apart are Max and Sophie?**

**A** 100 m

**B** 150 m

**C** 200 m

**D** 250 m

**E** 300 m



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# West Midlands Paper 1 Session 1

## Answer Marking Sheet

Pupil's Name
School Name

DATE OF TEST					
Day		Month		Year	

UNIQUE PUPIL NUMBER											

SCHOOL NUMBER						

DATE OF BIRTH					
Day		Month		Year	

Please mark boxes with a thin horizontal line like this  .



# Test 1 - Verbal Reasoning

## Sub-test 1

EXAMPLE	
A	<input type="checkbox"/>
B	<input type="checkbox"/>
C	<input checked="" type="checkbox"/>
D	<input type="checkbox"/>
E	<input type="checkbox"/>

P1 PRACTICE	
A	<input type="checkbox"/>
B	<input type="checkbox"/>
C	<input type="checkbox"/>
D	<input type="checkbox"/>
E	<input type="checkbox"/>

1	
A	<input type="checkbox"/>
B	<input type="checkbox"/>
C	<input type="checkbox"/>
D	<input type="checkbox"/>
E	<input type="checkbox"/>

2	
A	<input type="checkbox"/>
B	<input type="checkbox"/>
C	<input type="checkbox"/>
D	<input type="checkbox"/>
E	<input type="checkbox"/>

3	
A	<input type="checkbox"/>
B	<input type="checkbox"/>
C	<input type="checkbox"/>
D	<input type="checkbox"/>
E	<input type="checkbox"/>

4	
A	<input type="checkbox"/>
B	<input type="checkbox"/>
C	<input type="checkbox"/>
D	<input type="checkbox"/>
E	<input type="checkbox"/>

5	
A	<input type="checkbox"/>
B	<input type="checkbox"/>
C	<input type="checkbox"/>
D	<input type="checkbox"/>
E	<input type="checkbox"/>

## Sub-test 2

EXAMPLE	
A	<input type="checkbox"/>
B	<input type="checkbox"/>
C	<input type="checkbox"/>
D	<input type="checkbox"/>
E	<input checked="" type="checkbox"/>

P2 PRACTICE	
A	<input type="checkbox"/>
B	<input type="checkbox"/>
C	<input type="checkbox"/>
D	<input type="checkbox"/>
E	<input type="checkbox"/>

6	
A	<input type="checkbox"/>
B	<input type="checkbox"/>
C	<input type="checkbox"/>
D	<input type="checkbox"/>
E	<input type="checkbox"/>

7	
A	<input type="checkbox"/>
B	<input type="checkbox"/>
C	<input type="checkbox"/>
D	<input type="checkbox"/>
E	<input type="checkbox"/>

8	
A	<input type="checkbox"/>
B	<input type="checkbox"/>
C	<input type="checkbox"/>
D	<input type="checkbox"/>
E	<input type="checkbox"/>

9	
A	<input type="checkbox"/>
B	<input type="checkbox"/>
C	<input type="checkbox"/>
D	<input type="checkbox"/>
E	<input type="checkbox"/>

10	
A	<input type="checkbox"/>
B	<input type="checkbox"/>
C	<input type="checkbox"/>
D	<input type="checkbox"/>
E	<input type="checkbox"/>



## Sub-test 3

### EXAMPLE

A ☐  
B ☒  
C ☐  
D ☐  
E ☐

P3

### PRACTICE

A ☐  
B ☐  
C ☐  
D ☐  
E ☐

11

A ☐  
B ☐  
C ☐  
D ☐  
E ☐

12

A ☐  
B ☐  
C ☐  
D ☐  
E ☐

13

A ☐  
B ☐  
C ☐  
D ☐  
E ☐

14

A ☐  
B ☐  
C ☐  
D ☐  
E ☐

15

A ☐  
B ☐  
C ☐  
D ☐  
E ☐

## Sub-test 4

### EXAMPLE

A ☐  
B ☒  
C ☐  
D ☐  
E ☐

P4

### PRACTICE

A ☐  
B ☐  
C ☐  
D ☐  
E ☐

16

A ☐  
B ☐  
C ☐  
D ☐  
E ☐

17

A ☐  
B ☐  
C ☐  
D ☐  
E ☐

18

A ☐  
B ☐  
C ☐  
D ☐  
E ☐

19

A ☐  
B ☐  
C ☐  
D ☐  
E ☐

20

A ☐  
B ☐  
C ☐  
D ☐  
E ☐



# Test 2 - Non Verbal and Spatial Reasoning

## Sub-test 1

**EXAMPLE**

A	<input type="checkbox"/>
B	<input checked="" type="checkbox"/>
C	<input type="checkbox"/>
D	<input type="checkbox"/>
E	<input type="checkbox"/>

**P1**

**PRACTICE**

A	<input type="checkbox"/>
B	<input type="checkbox"/>
C	<input type="checkbox"/>
D	<input type="checkbox"/>
E	<input type="checkbox"/>

**1**

A	<input type="checkbox"/>
B	<input type="checkbox"/>
C	<input type="checkbox"/>
D	<input type="checkbox"/>
E	<input type="checkbox"/>

**2**

A	<input type="checkbox"/>
B	<input type="checkbox"/>
C	<input type="checkbox"/>
D	<input type="checkbox"/>
E	<input type="checkbox"/>

**3**

A	<input type="checkbox"/>
B	<input type="checkbox"/>
C	<input type="checkbox"/>
D	<input type="checkbox"/>
E	<input type="checkbox"/>

**4**

A	<input type="checkbox"/>
B	<input type="checkbox"/>
C	<input type="checkbox"/>
D	<input type="checkbox"/>
E	<input type="checkbox"/>

**5**

A	<input type="checkbox"/>
B	<input type="checkbox"/>
C	<input type="checkbox"/>
D	<input type="checkbox"/>
E	<input type="checkbox"/>

**6**

A	<input type="checkbox"/>
B	<input type="checkbox"/>
C	<input type="checkbox"/>
D	<input type="checkbox"/>
E	<input type="checkbox"/>

## Sub-test 2

**EXAMPLE**

A	<input checked="" type="checkbox"/>
B	<input type="checkbox"/>
C	<input type="checkbox"/>
D	<input type="checkbox"/>
E	<input type="checkbox"/>

**P2**

**PRACTICE**

A	<input type="checkbox"/>
B	<input type="checkbox"/>
C	<input type="checkbox"/>
D	<input type="checkbox"/>
E	<input type="checkbox"/>

**7**

A	<input type="checkbox"/>
B	<input type="checkbox"/>
C	<input type="checkbox"/>
D	<input type="checkbox"/>
E	<input type="checkbox"/>

**8**

A	<input type="checkbox"/>
B	<input type="checkbox"/>
C	<input type="checkbox"/>
D	<input type="checkbox"/>
E	<input type="checkbox"/>

**9**

A	<input type="checkbox"/>
B	<input type="checkbox"/>
C	<input type="checkbox"/>
D	<input type="checkbox"/>
E	<input type="checkbox"/>

**10**

A	<input type="checkbox"/>
B	<input type="checkbox"/>
C	<input type="checkbox"/>
D	<input type="checkbox"/>
E	<input type="checkbox"/>

**11**

A	<input type="checkbox"/>
B	<input type="checkbox"/>
C	<input type="checkbox"/>
D	<input type="checkbox"/>
E	<input type="checkbox"/>

**12**

A	<input type="checkbox"/>
B	<input type="checkbox"/>
C	<input type="checkbox"/>
D	<input type="checkbox"/>
E	<input type="checkbox"/>



# Sub-test 3

EXAMPLE

- A ☐
- B ☒
- C ☐
- D ☐
- E ☐

P3

PRACTICE

- A ☐
- B ☐
- C ☐
- D ☐
- E ☐

13

- A ☐
- B ☐
- C ☐
- D ☐
- E ☐

14

- A ☐
- B ☐
- C ☐
- D ☐
- E ☐

15

- A ☐
- B ☐
- C ☐
- D ☐
- E ☐

16

- A ☐
- B ☐
- C ☐
- D ☐
- E ☐

17

- A ☐
- B ☐
- C ☐
- D ☐
- E ☐

18

- A ☐
- B ☐
- C ☐
- D ☐
- E ☐



# Test 3 - English

P1

PRACTICE

A ☐  
B ☐  
C ☐  
D ☐  
E ☐

P2

PRACTICE

A ☐  
B ☐  
C ☐  
D ☐  
E ☐

1

A ☐  
B ☐  
C ☐  
D ☐  
E ☐

2

A ☐  
B ☐  
C ☐  
D ☐  
E ☐

3

A ☐  
B ☐  
C ☐  
D ☐  
E ☐

4

A ☐  
B ☐  
C ☐  
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 ☐

9

A ☐  
B ☐  
C ☐  
D ☐  
E ☐

10

A ☐  
B ☐  
C ☐  
D ☐  
E ☐





# Test 4 - Maths

**P1**

PRACTICE

A	<input type="text"/>
B	<input type="text"/>
C	<input type="text"/>
D	<input type="text"/>
E	<input type="text"/>

**P2**

PRACTICE

A	<input type="text"/>
B	<input type="text"/>
C	<input type="text"/>
D	<input type="text"/>
E	<input type="text"/>

**P3**

PRACTICE

A	<input type="text"/>
B	<input type="text"/>
C	<input type="text"/>
D	<input type="text"/>
E	<input type="text"/>

**1**

A	<input type="text"/>
B	<input type="text"/>
C	<input type="text"/>
D	<input type="text"/>
E	<input type="text"/>

**2**

A	<input type="text"/>
B	<input type="text"/>
C	<input type="text"/>
D	<input type="text"/>
E	<input type="text"/>

**3**

A	<input type="text"/>
B	<input type="text"/>
C	<input type="text"/>
D	<input type="text"/>
E	<input type="text"/>

**4**

A	<input type="text"/>
B	<input type="text"/>
C	<input type="text"/>
D	<input type="text"/>
E	<input type="text"/>

**5**

A	<input type="text"/>
B	<input type="text"/>
C	<input type="text"/>
D	<input type="text"/>
E	<input type="text"/>

**6**

A	<input type="text"/>
B	<input type="text"/>
C	<input type="text"/>
D	<input type="text"/>
E	<input type="text"/>

**7**

A	<input type="text"/>
B	<input type="text"/>
C	<input type="text"/>
D	<input type="text"/>
E	<input type="text"/>

**8**

A	<input type="text"/>
B	<input type="text"/>
C	<input type="text"/>
D	<input type="text"/>
E	<input type="text"/>

**9**

A	<input type="text"/>
B	<input type="text"/>
C	<input type="text"/>
D	<input type="text"/>
E	<input type="text"/>

**10**

A	<input type="text"/>
B	<input type="text"/>
C	<input type="text"/>
D	<input type="text"/>
E	<input type="text"/>

**11**

A	<input type="text"/>
B	<input type="text"/>
C	<input type="text"/>
D	<input type="text"/>
E	<input type="text"/>

**12**

A	<input type="text"/>
B	<input type="text"/>
C	<input type="text"/>
D	<input type="text"/>
E	<input type="text"/>

**13**

A	<input type="text"/>
B	<input type="text"/>
C	<input type="text"/>
D	<input type="text"/>
E	<input type="text"/>

**14**

A	<input type="text"/>
B	<input type="text"/>
C	<input type="text"/>
D	<input type="text"/>
E	<input type="text"/>

## For Parents use only

Marks Scored: \_\_\_\_\_ Time taken: \_\_\_\_\_

Comments \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



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