

Reasoning Paper G

Reasoning Paper H

1	C	31	C	61	B	1	B	31	D	61	B
2	D	32	B	62	D	2	D	32	A	62	A
3	E	33	D	63	A	3	D	33	E	63	C
4	B	34	D	64	C	4	A	34	D	64	E
5	A	35	B	65	D	5	C	35	B	65	D
6	B	36	E			6	C	36	E		
7	C	37	C			7	E	37	D		
8	D	38	E			8	C	38	C		
9	B	39	C			9	D	39	C		
10	E	40	D			10	B	40	A		
11	A	41	C			11	E	41	C		
12	C	42	A			12	C	42	E		
13	NR	43	D			13	pound	43	C		
14	MH	44	C			14	recall	44	A		
15	MH	45	E			15	invalid	45	D		
16	VV	46	C			16	match	46	B		
17	RF	47	B			17	fine	47	B		
18	AGE	48	D			18	h	48	E		
19	THE	49	A			19	m	49	C		
20	RAN	50	A			20	e	50	A		
21	RED	51	B			21	s	51	D		
22	LIE	52	E			22	r	52	A		
23	B	53	D			23	BIT	53	B		
24	E	54	A			24	HTJV	54	E		
25	D	55	C			25	GET	55	B		
26	B	56	C			26	EFCPO	56	C		
27	B	57	B			27	LAMP	57	D		
28	C	58	D			28	D	58	C		
29	D	59	A			29	A	59	E		
30	E	60	D			30	B	60	B		

GL TEST PAPER G

Please read the following before you start the test :-

1. Do not begin the test until you are told to do so.
2. This is a multiple choice test so you need to mark your answers on the separate answer sheets, not in this booklet.
3. There are four sections in this test.
4. Mark your answers clearly on the answer sheets using a pencil. In the column that has the same number as the test question, draw a firm line clearly through the correct answer. Do not cross out any answers – if you want to change an answer, rub it out completely and put in your new answer. Be sure to keep your place on the answer sheet.
5. Try and answer as many questions as you can. If you cannot answer a question, do not waste time on it but go on to the next question. If you are not sure of an answer, choose the one you think is best.
6. You may do any rough working out in the booklet.
7. Work as quickly and as carefully as you can.



Section 1 – Comprehension

YOU HAVE 10 MINUTES TO COMPLETE THIS SECTION

Weather Week

Monday's weather ruffles my hair:
Through the leafy branches blows,
Over grassy fields it goes.

Twirling, swirling, gusty whirling,
5 Unseen, it swiftly, gently flows.

Tuesday's weather I like the most:
Shining down from way up high,
Golden egg above the sky.

Burning, glowing, daylight throwing,
10 Behind the clouds it hides when shy.

Wednesday's weather I watch and stare:
Fluffy sheep criss-cross the blue,
White or grey or darker hue.

Dancing, prancing, shapes entrancing,
15 Painting such a perfect view.

Thursday's weather please go away:
Showering down around the place,
Splashing wetly across my face.

Splattering, pattering, teardrops scattering,
20 Puddles spread at rapid pace.

Friday's weather gives a fright:
Darkness flows across the land,
A natural orchestra sounds so grand.

Rumbling, flashing, jagged dashing,
25 Causing fear I must withstand.

Saturday's weather time to play:
Frozen blanket muffles sound,
Hides and covers all around.

Fleeting, sleeting, all white sheeting.
30 Piled up high on top the ground.

Sunday's weather hugs me tight:
Greyness covers home and street,
Damply clings the blurry sheet.

Hovering, covering, shadowy smothering,
35 Barely able to see my feet.

Continue to the next page

1. Which is most likely to be the weather on Monday?

- A. A rainstorm.
- B. Fog.
- C. Wind.
- D. Sunshine.
- E. A snowstorm.

2. "Golden egg above the sky." (line 8) is an example of what?

- A. A simile.
- B. Personification.
- C. Onomatopoeia.
- D. A metaphor.
- E. A rhyme.

3. How does the author describe clouds?

- A. They look like an entrance.
- B. They look like teardrops.
- C. They look like an egg.
- D. They are blue.
- E. They look like sheep.

4. Why might the author describe rain as 'teardrops' (line 19)?

- A. The rain makes them sad.
- B. The raindrops fall like tears.
- C. They want the rain to go away.
- D. They cried because their face was wet.
- E. The puddle is shaped like a teardrop.

5. Which is most likely to be the weather on Friday?

- A. A thunderstorm.
- B. A snowstorm.
- C. Wind.
- D. Sunshine.
- E. Cloudy.

6. Which activity might the author do on Saturday?

- A. Go to the beach.
- B. Build a snowman.
- C. Mow the lawn.
- D. Watch lightning.
- E. Hang out their blankets to dry.

Continue to the next page

7. Why might it be dangerous to go out on Sunday?

- A. You will be hugged tight.
- B. You might get sunburnt.
- C. You can't see where you are walking.
- D. You might trip on a sheet.
- E. The wind might blow you over.

8. What type of word is 'grassy' (line 3)?

- A. A noun.
- B. An adverb.
- C. A vowel.
- D. An adjective.
- E. A verb.

9. Which type of weather does the author prefer?

- A. Snow.
- B. Sunshine.
- C. Rain.
- D. Fog.
- E. Wind.

10. What type of word is 'spread' (line 20)?

- A. An adverb.
- B. A noun.
- C. A consonant.
- D. An adjective.
- E. A verb.

11. What is the meaning of the word 'hue' (line 13)?

- A. Colour.
- B. Shadow.
- C. Shape.
- D. Shading.
- E. Brightness.

12. What is the meaning of the word 'muffles' (line 27)?

- A. Gloves.
- B. Erases.
- C. Covers.
- D. Freezes.
- E. Increases.

Wait here until you are told to continue

Section 2 – Verbal Reasoning

YOU HAVE 12 MINUTES TO COMPLETE THIS SECTION

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

In each question below, it is necessary to find the next letters in the series and mark them on your answer sheet. The alphabet above is to help you with the questions.

Example: FD GD HE IE JF (?)

Answer: KF

13. DB FZ HX JV LT (?)

14. FW GV IT JQ LM (?)

15. TC SD QF PJ NR (?)

16. KD FH BK YO WR (?)

17. KU LT NR OO QK (?)

In each question below, the word in **CAPITALS** has had three letters taken out. These letters are next to each other and will make one correctly spelt word without changing the order. Insert a three letter word so the completed sentence makes sense. Mark the correct three letter word on the answer sheet.

Example: She looked at the **SS** through a telescope.

Answer: **TAR** (stars)

18. George **RUMMD** through his closet to find his shirt.
19. Her **MOR** attended parent's evening last night.
20. Lisa was deeply **ENTCED** by the performance.
21. The tall tree **TOWE** over the forest.
22. They wanted to **BEVE** Hannah, but it was difficult to trust her.

Continue to the next page

In each question below, the letters stand for numbers. After working out the answer to each sum, find its letter and mark it on the answer sheet.

Example: If $A = 5$, $B = 10$, $C = 15$, $D = 20$, $E = 25$, what is the answer to this sum as a letter?
 $D + A - C = ?$

Answer: B

23. If $A = 7$, $B = 11$, $C = 12$, $D = 4$, $E = 3$, what is the answer to this sum as a letter?
 $C \div E + A = ?$

24. If $A = 6$, $B = 9$, $C = 2$, $D = 15$, $E = 12$, what is the answer to this sum as a letter?
 $(D - B) \times C = ?$

25. If $A = 8$, $B = 9$, $C = 3$, $D = 4$, $E = 6$, what is the answer to this sum as a letter?
 $(B + C) \div C = ?$

26. If $A = 4$, $B = 12$, $C = 6$, $D = 14$, $E = 16$, what is the answer to this sum as a letter?
 $A \times C - B = ?$

27. If $A = 7$, $B = 3$, $C = 8$, $D = 6$, $E = 5$, what is the answer to this sum as a letter?
 $(A + C) \div E = ?$

Read the information below and select the correct answer. Mark the answer on the answer sheet.

28. Six friends travelled to school either by walking, catching a bus or going on the tram. John walked to school with a friend. Alice and Davi didn't walk to school. Molly and Bella didn't catch the tram to school. Lee went on the tram with a friend who wasn't Bella. Alice caught the bus with a friend who wasn't Molly on the way to school.

Who walked to school with John?

A: Alice.

B: Davi.

C: Molly.

D: Bella.

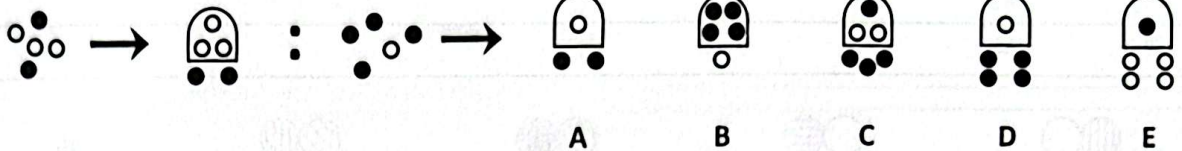
E: Lee.

Wait here until you are told to continue

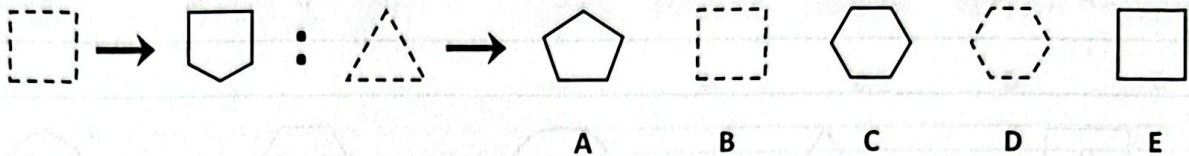
Section 3 - Non-Verbal Reasoning
YOU HAVE 9 MINUTES TO COMPLETE THIS SECTION

In the following questions, find the figure from those on the right which has the same relationship with the third figure as the relationship between the first pair.

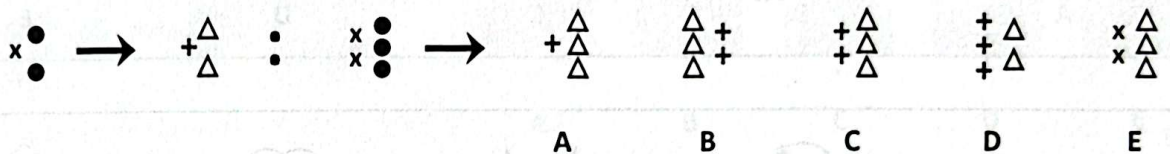
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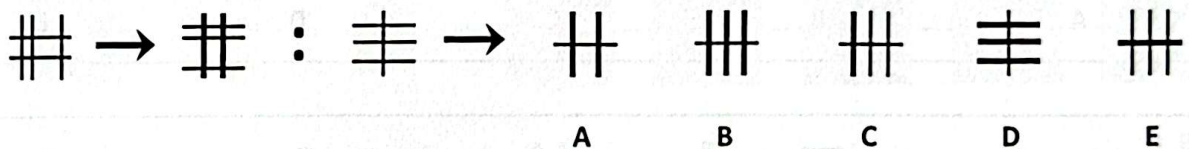
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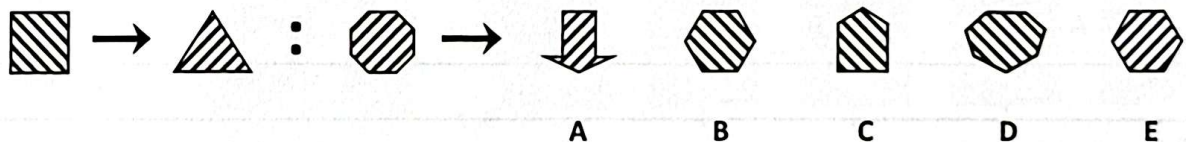
31.



32.



33.



34.



Continue to the next page

In the following questions, there are five figures. Find one figure in each row which is most unlike the other four figures.

35.



A



B



C



D



E

36.



A



B



C



D



E

37.



A



B



C



D



E

38.



A



B



C



D



E

39.



A



B



C



D



E

40.



A



B



C



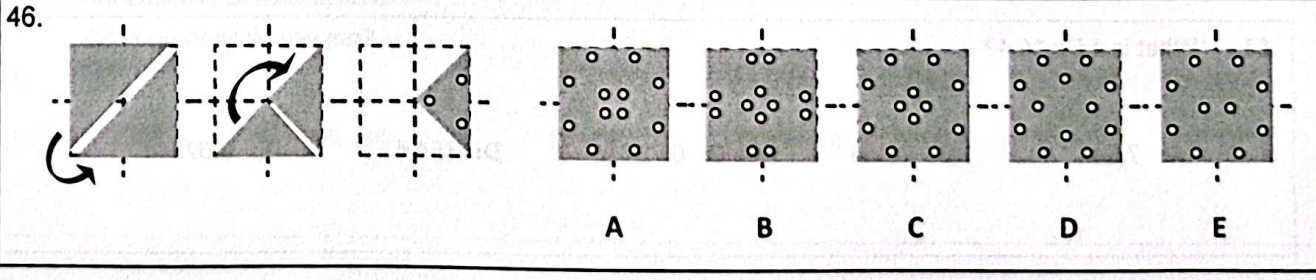
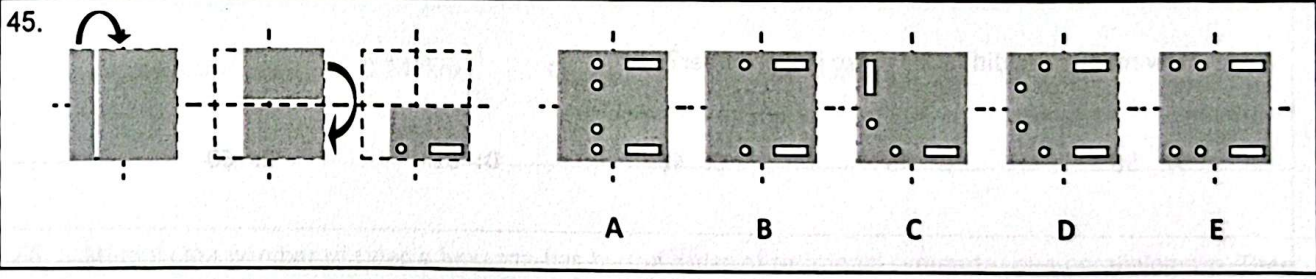
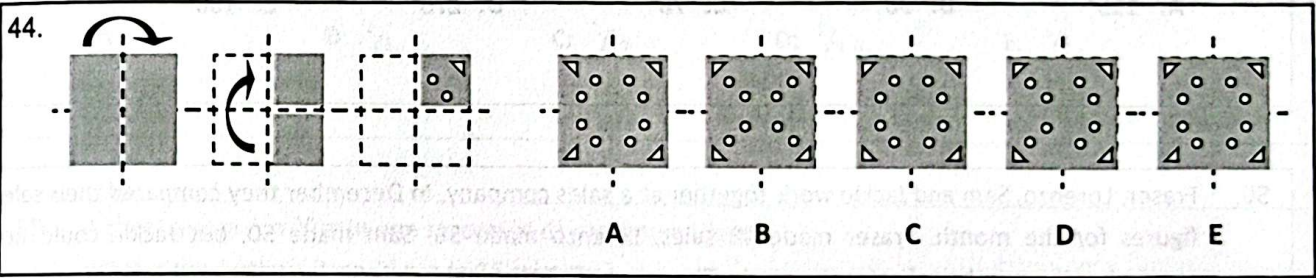
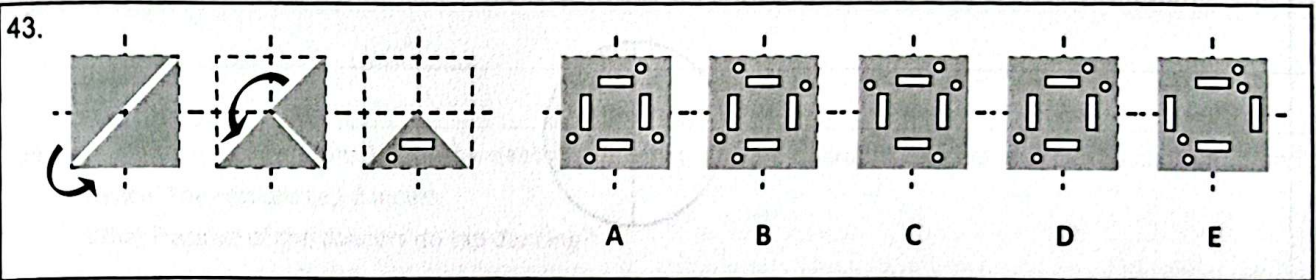
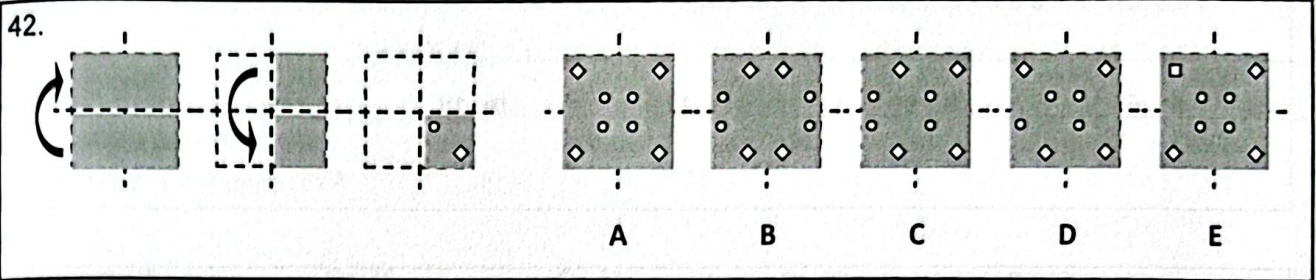
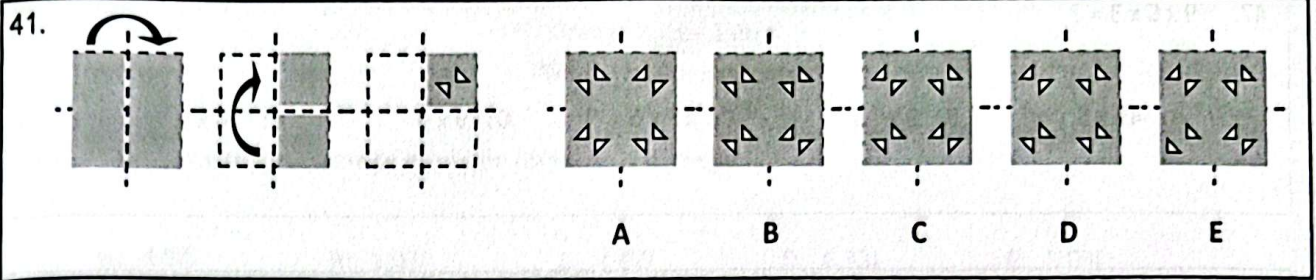
D



E

Continue to the next page

In the following questions, on the left there is a diagram showing a piece of paper being folded and having shapes punched through it. Find the figure on the right that shows the correct punched shapes once the paper is unfolded.



Wait here until you are told to continue

Section 4 – Maths

YOU HAVE 19 MINUTES TO COMPLETE THIS SECTION

47. $9 \times 6 \times 3 = ?$

A: 45×3

B: 9×18

C: 18×6

D: 9×9

E: 16×9

48. What is the highest common factor of 54 and 72?

A: 6

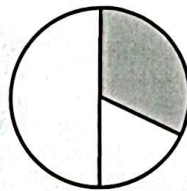
B: 9

C: 12

D: 18

E: 27

49. How many degrees does the shaded part of the circle represent?



A: 115°

B: 90°

C: 76°

D: 270°

E: 180°

50. Fraser, Lorenzo, Sam and Jackie work together at a sales company. In December they compared their sales figures for the month. Fraser made 48 sales, Lorenzo made 56, Sam made 50, but Jackie could not remember the number of sales she made. The mean of all their sales was 53.

How many sales did Jackie make in December?

A: 58

B: 45

C: 48

D: 52

E: 60

51. What is 4.6×16.4 ?

A: 7.544

B: 75.44

C: 0.7544

D: 754.4

E: 0.07544

Continue to the next page

52. Anne goes to the supermarket to buy a variety of drinks. She buys the following amount of each drink:

Blackcurrant juice - 0.2 litres

Cola - 330 millilitres

Orange juice - 1 litre

Water - 3,500 millilitres

What is the total volume of drinks (in litres) that Anne bought?

- A: 4.88/ B: 4.93/ C: 4.62/ D: 6.33/ E: 5.03/

53. $11y + 24 = 156$

What is the value of y ?

- A: 8 B: 16 C: 11 D: 12 E: 13

54. In a dance competition, $\frac{1}{2}$ of the dancers do ballet, $\frac{1}{4}$ are ballroom dancers and $\frac{1}{5}$ do contemporary dance. The rest are tap dancers.

What fraction of the dancers do tap dancing?

- A: $\frac{1}{20}$ B: $\frac{2}{5}$ C: $\frac{1}{10}$ D: $\frac{1}{4}$ E: $\frac{1}{9}$

55. A cheetah can run 27m in one second at its maximum speed.

What is the furthest it could run in 15 minutes?

- A: 2430cm B: 0.243km C: 24.3km D: 2.43km E: 243m

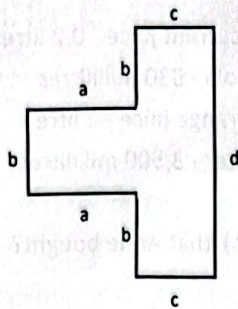
56. Multiply the number of sides a hexagon has by the order of rotational symmetry of a parallelogram. Then multiply the answer by four.

What number do you get?

- A: 46 B: 36 C: 48 D: 58 E: 54

Continue to the next page

57. What is the perimeter of this shape?



- A: $2a + 2b + 2c + d$ B: $2a + 3b + 2c + d$ C: $(a + b + c) \times 2$ D: $(a + c) \times 2b$ E: $2(a + b + c + d)$

58. The temperature in Pittsfield tomorrow night is predicted to be -11°C . Pittsfield's sister city is Larreynaga, Nicaragua. The temperature there is predicted to be 19°C .

What is the difference in predicted temperature between Pittsfield and Larreynaga?

- A: -30°C B: 8°C C: 13°C D: 30°C E: 28°C

59. Jose buys a laptop for the reduced price of £329 after a 30% discount.

What was the original price of the laptop?

- A: £470 B: £410 C: £230 D: £380 E: £460

60. Alex has a portrait of his cat commissioned to display in his living room. The area of the portrait is $7,200\text{cm}^2$. The length of the portrait is 120cm.

What is the width of the portrait?

- A: 80cm B: 120cm C: 60m D: 60cm E: 70cm

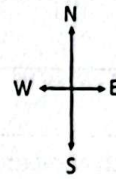
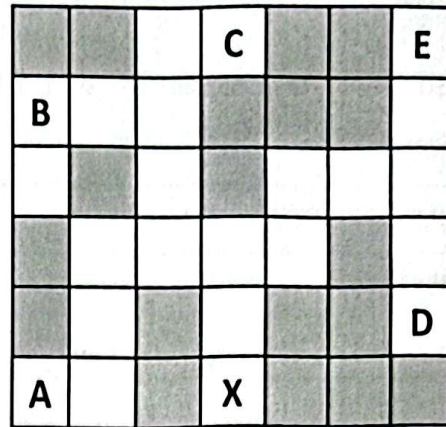
61. Sylvia wins £12,500. She takes £3,200 for herself and splits the rest equally with her daughter.

How much money does Sylvia get?

- A: £6,950 B: £7,850 C: £8,650 D: £8,250 E: £6,500

Continue to the next page

62. A robot is placed in the maze shown in the diagram facing north, at point X, and given instructions to move.



Which point would the robot end up with following the instructions below?

Forward 2, turn right 90° ,

Forward 1, turn left 90° ,

Forward 1, turn right 90° ,

Forward 2, turn right 90° ,

Forward 2

A: A

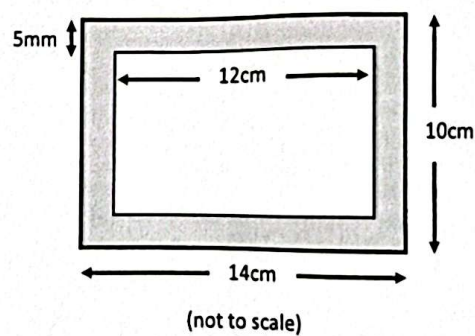
B: B

C: C

D: D

E: E

63. Calculate the area of the shaded region on the diagram below.



A: 32cm^2

B: 25cm^2

C: 18cm^2

D: 36cm^2

E: 28cm^2

Continue to the next page

64. The distance from Andrew's house to his gym is 2.2km. On a map this is represented by 4cm. What is the scale of the map?

A: 1: 5,500 B: 1: 550 C: 1: 55,000 D: 1: 110,000 E: 1: 27,500

65. Which number has the largest value?

0.65 $\frac{2}{3}$ $\frac{3}{7}$ $\frac{11}{14}$ 0.7

A: 0.65 B: $\frac{2}{3}$ C: $\frac{3}{7}$ D: $\frac{11}{14}$ E: 0.7

END OF TEST

Reasoning Paper G

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SECTION 1: COMPREHENSION

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	11 A B C D E	12 A B C D E		

SECTION 2: VERBAL REASONING

Example HG JF GP KF KG	13 MR NR OS NS NQ	14 MI LH LG MH ML	15 MH LH MG MI LG	16 WV VU UV VW VV	17 SF RG RH SE RF	
Example CAP CAR TAP TAR TOP	18 EAR AGE AND END PAL	19 HER AGE RIM TOE THE	20 RAN TIC TAN RIP ALL	21 END ROW ARK RED PAN	22 EEL RAN LIE MAN LAY	
Example A B C D E	23 A B C D E	24 A B C D E	25 A B C D E	26 A B C D E	27 A B C D E	28 A B C D E

SECTION 3: NON-VERBAL REASONING

29	30	31	32	33	34
A ☐	A ☐	A ☐	A ☐	A ☐	A ☐
B ☐	B ☐	B ☐	B ☐	B ☐	B ☐
C ☐	C ☐	C ☐	C ☐	C ☐	C ☐
D ☐	D ☐	D ☐	D ☐	D ☐	D ☐
E ☐	E ☐	E ☐	E ☐	E ☐	E ☐

35	36	37	38	39	40
A ☐	A ☐	A ☐	A ☐	A ☐	A ☐
B ☐	B ☐	B ☐	B ☐	B ☐	B ☐
C ☐	C ☐	C ☐	C ☐	C ☐	C ☐
D ☐	D ☐	D ☐	D ☐	D ☐	D ☐
E ☐	E ☐	E ☐	E ☐	E ☐	E ☐

41	42	43	44	45	46
A ☐	A ☐	A ☐	A ☐	A ☐	A ☐
B ☐	B ☐	B ☐	B ☐	B ☐	B ☐
C ☐	C ☐	C ☐	C ☐	C ☐	C ☐
D ☐	D ☐	D ☐	D ☐	D ☐	D ☐
E ☐	E ☐	E ☐	E ☐	E ☐	E ☐

SECTION 4: MATHS

47	48	49	50	51	52	53
A ☐	A ☐	A ☐	A ☐	A ☐	A ☐	A ☐
B ☐	B ☐	B ☐	B ☐	B ☐	B ☐	B ☐
C ☐	C ☐	C ☐	C ☐	C ☐	C ☐	C ☐
D ☐	D ☐	D ☐	D ☐	D ☐	D ☐	D ☐
E ☐	E ☐	E ☐	E ☐	E ☐	E ☐	E ☐

54	55	56	57	58	59	60
A ☐	A ☐	A ☐	A ☐	A ☐	A ☐	A ☐
B ☐	B ☐	B ☐	B ☐	B ☐	B ☐	B ☐
C ☐	C ☐	C ☐	C ☐	C ☐	C ☐	C ☐
D ☐	D ☐	D ☐	D ☐	D ☐	D ☐	D ☐
E ☐	E ☐	E ☐	E ☐	E ☐	E ☐	E ☐

61	62	63	64	65
A ☐	A ☐	A ☐	A ☐	A ☐
B ☐	B ☐	B ☐	B ☐	B ☐
C ☐	C ☐	C ☐	C ☐	C ☐
D ☐	D ☐	D ☐	D ☐	D ☐
E ☐	E ☐	E ☐	E ☐	E ☐

GL TEST PAPER G

Please read the following before you start the test :-

1. Do not begin the test until you are told to do so.
2. This is a multiple choice test so you need to mark your answers on the separate answer sheets, not in this booklet.
3. There are four sections in this test.
4. Mark your answers clearly on the answer sheets using a pencil. In the column that has the same number as the test question, draw a firm line clearly through the correct answer. Do not cross out any answers – if you want to change an answer, rub it out completely and put in your new answer. Be sure to keep your place on the answer sheet.
5. Try and answer as many questions as you can. If you cannot answer a question, do not waste time on it but go on to the next question. If you are not sure of an answer, choose the one you think is best.
6. You may do any rough working out in the booklet.
7. Work as quickly and as carefully as you can.



Section 1 – Comprehension

YOU HAVE 10 MINUTES TO COMPLETE THIS SECTION

Weather Week

Monday's weather ruffles my hair:
Through the leafy branches blows,
Over grassy fields it goes.

Twirling, swirling, gusty whirling,
5 Unseen, it swiftly, gently flows.

Tuesday's weather I like the most:
Shining down from way up high,
Golden egg above the sky.

Burning, glowing, daylight throwing,
10 Behind the clouds it hides when shy.

Wednesday's weather I watch and stare:
Fluffy sheep criss-cross the blue,
White or grey or darker hue.

Dancing, prancing, shapes entrancing,
15 Painting such a perfect view.

Thursday's weather please go away:
Showering down around the place,
Splashing wetly across my face.

Splattering, pattering, teardrops scattering,
20 Puddles spread at rapid pace.

Friday's weather gives a fright:
Darkness flows across the land,
A natural orchestra sounds so grand.

Rumbling, flashing, jagged dashing,
25 Causing fear I must withstand.

Saturday's weather time to play:
Frozen blanket muffles sound,
Hides and covers all around.

Fleeting, sleeting, all white sheeting.
30 Piled up high on top the ground.

Sunday's weather hugs me tight:
Greyness covers home and street,
Damply clings the blurry sheet.

Hovering, covering, shadowy smothering,
35 Barely able to see my feet.

Continue to the next page

1. Which is most likely to be the weather on Monday?

- A. A rainstorm.
- B. Fog.
- C. Wind.
- D. Sunshine.
- E. A snowstorm.

2. "Golden egg above the sky." (line 8) is an example of what?

- A. A simile.
- B. Personification.
- C. Onomatopoeia.
- D. A metaphor.
- E. A rhyme.

3. How does the author describe clouds?

- A. They look like an entrance.
- B. They look like teardrops.
- C. They look like an egg.
- D. They are blue.
- E. They look like sheep.

4. Why might the author describe rain as 'teardrops' (line 19)?

- A. The rain makes them sad.
- B. The raindrops fall like tears.
- C. They want the rain to go away.
- D. They cried because their face was wet.
- E. The puddle is shaped like a teardrop.

5. Which is most likely to be the weather on Friday?

- A. A thunderstorm.
- B. A snowstorm.
- C. Wind.
- D. Sunshine.
- E. Cloudy.

6. Which activity might the author do on Saturday?

- A. Go to the beach.
- B. Build a snowman.
- C. Mow the lawn.
- D. Watch lightning.
- E. Hang out their blankets to dry.

Continue to the next page

7. Why might it be dangerous to go out on Sunday?

- A. You will be hugged tight.
- B. You might get sunburnt.
- C. You can't see where you are walking.
- D. You might trip on a sheet.
- E. The wind might blow you over.

8. What type of word is 'grassy' (line 3)?

- A. A noun.
- B. An adverb.
- C. A vowel.
- D. An adjective.
- E. A verb.

9. Which type of weather does the author prefer?

- A. Snow.
- B. Sunshine.
- C. Rain.
- D. Fog.
- E. Wind.

10. What type of word is 'spread' (line 20)?

- A. An adverb.
- B. A noun.
- C. A consonant.
- D. An adjective.
- E. A verb.

11. What is the meaning of the word 'hue' (line 13)?

- A. Colour.
- B. Shadow.
- C. Shape.
- D. Shading.
- E. Brightness.

12. What is the meaning of the word 'muffles' (line 27)?

- A. Gloves.
- B. Erases.
- C. Covers.
- D. Freezes.
- E. Increases.

Wait here until you are told to continue

Section 2 – Verbal Reasoning

YOU HAVE 12 MINUTES TO COMPLETE THIS SECTION

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

In each question below, it is necessary to find the next letters in the series and mark them on your answer sheet. The alphabet above is to help you with the questions.

Example: FD GD HE IE JF (?)

Answer: KF

13. DB FZ HX JV LT (?)

14. FW GV IT JQ LM (?)

15. TC SD QF PJ NR (?)

16. KD FH BK YO WR (?)

17. KU LT NR OO QK (?)

In each question below, the word in **CAPITALS** has had three letters taken out. These letters are next to each other and will make one correctly spelt word without changing the order. Insert a three letter word so the completed sentence makes sense. Mark the correct three letter word on the answer sheet.

Example: She looked at the **SS** through a telescope.

Answer: **TAR** (stars)

18. George **RUMMD** through his closet to find his shirt.
19. Her **MOR** attended parent's evening last night.
20. Lisa was deeply **ENTCED** by the performance.
21. The tall tree **TOWE** over the forest.
22. They wanted to **BEVE** Hannah, but it was difficult to trust her.

Continue to the next page

In each question below, the letters stand for numbers. After working out the answer to each sum, find its letter and mark it on the answer sheet.

Example: If $A = 5$, $B = 10$, $C = 15$, $D = 20$, $E = 25$, what is the answer to this sum as a letter?
 $D + A - C = ?$

Answer: B

23. If $A = 7$, $B = 11$, $C = 12$, $D = 4$, $E = 3$, what is the answer to this sum as a letter?
 $C \div E + A = ?$

24. If $A = 6$, $B = 9$, $C = 2$, $D = 15$, $E = 12$, what is the answer to this sum as a letter?
 $(D - B) \times C = ?$

25. If $A = 8$, $B = 9$, $C = 3$, $D = 4$, $E = 6$, what is the answer to this sum as a letter?
 $(B + C) \div C = ?$

26. If $A = 4$, $B = 12$, $C = 6$, $D = 14$, $E = 16$, what is the answer to this sum as a letter?
 $A \times C - B = ?$

27. If $A = 7$, $B = 3$, $C = 8$, $D = 6$, $E = 5$, what is the answer to this sum as a letter?
 $(A + C) \div E = ?$

Read the information below and select the correct answer. Mark the answer on the answer sheet.

28. Six friends travelled to school either by walking, catching a bus or going on the tram. John walked to school with a friend. Alice and Davi didn't walk to school. Molly and Bella didn't catch the tram to school. Lee went on the tram with a friend who wasn't Bella. Alice caught the bus with a friend who wasn't Molly on the way to school.

Who walked to school with John?

A: Alice.

B: Davi.

C: Molly.

D: Bella.

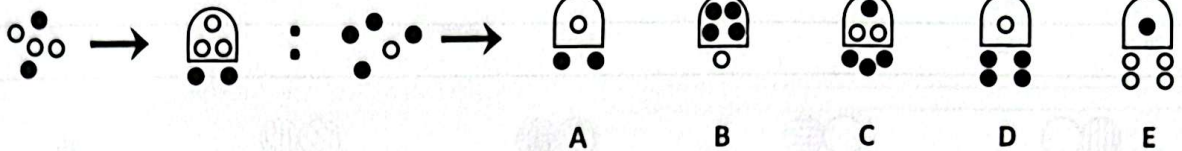
E: Lee.

Wait here until you are told to continue

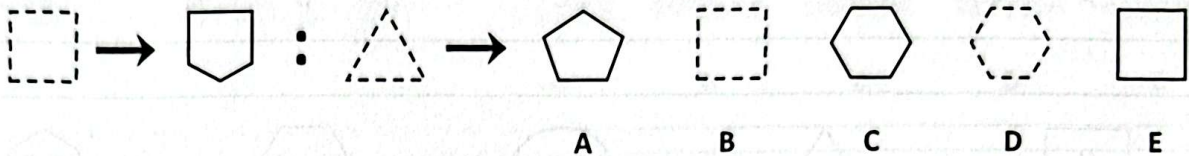
Section 3 - Non-Verbal Reasoning
YOU HAVE 9 MINUTES TO COMPLETE THIS SECTION

In the following questions, find the figure from those on the right which has the same relationship with the third figure as the relationship between the first pair.

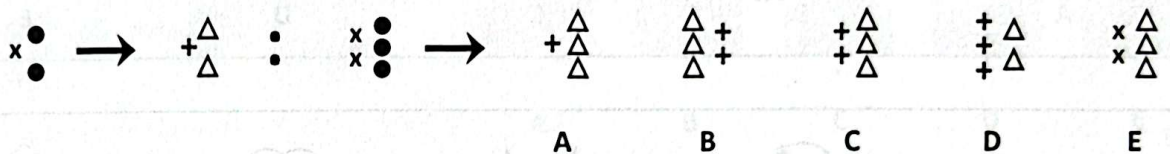
29.



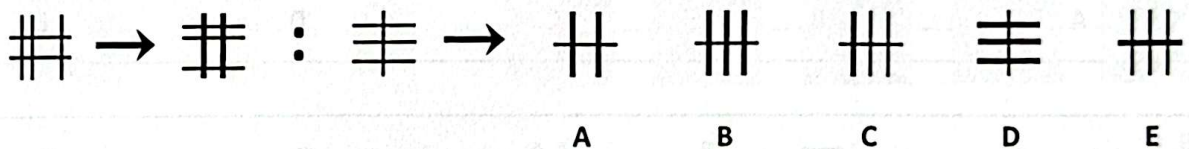
30.



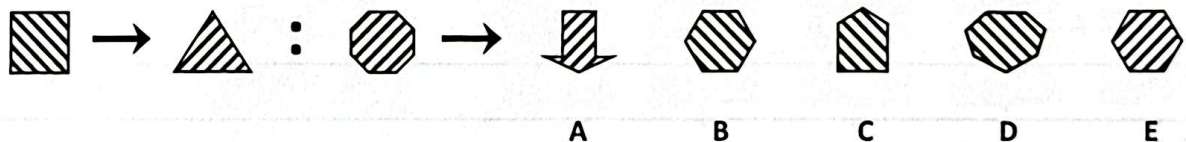
31.



32.



33.



34.



Continue to the next page

In the following questions, there are five figures. Find one figure in each row which is most unlike the other four figures.

35.



A



B



C



D



E

36.



A



B



C



D



E

37.



A



B



C



D



E

38.



A



B



C



D



E

39.



A



B



C



D



E

40.



A



B



C



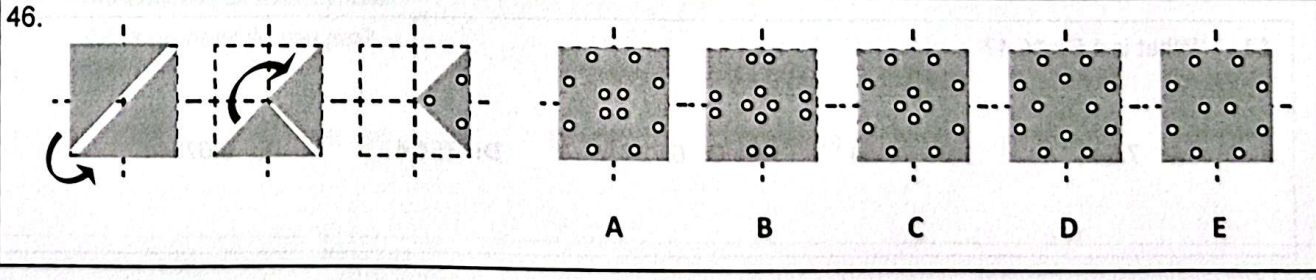
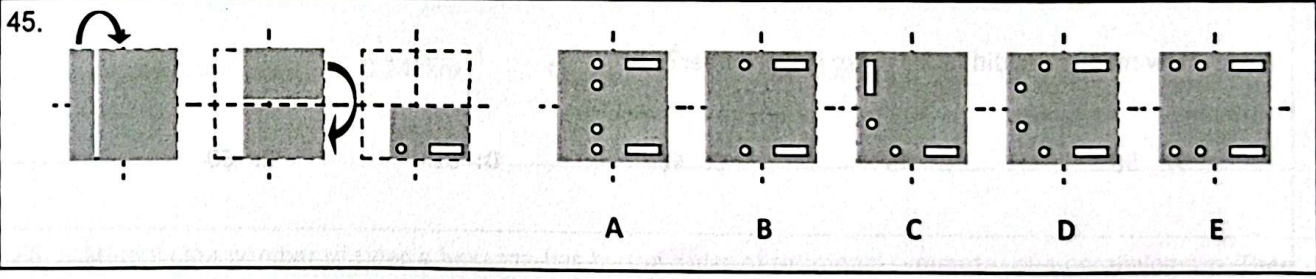
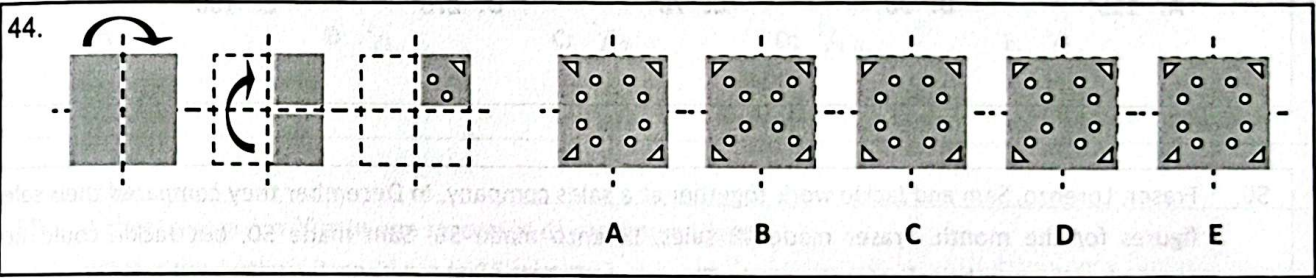
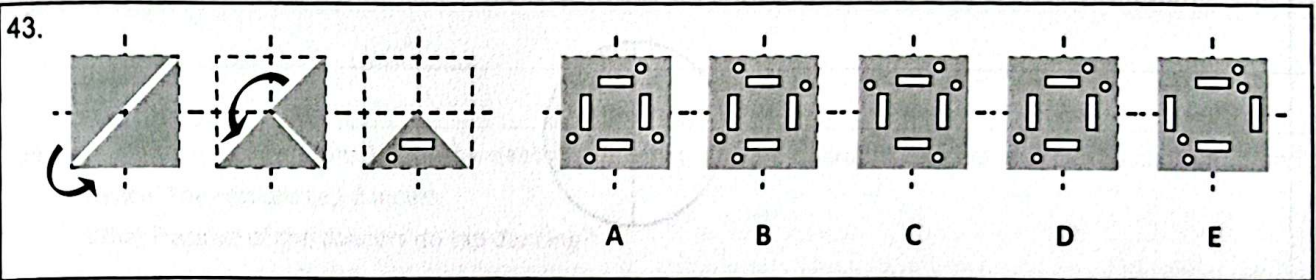
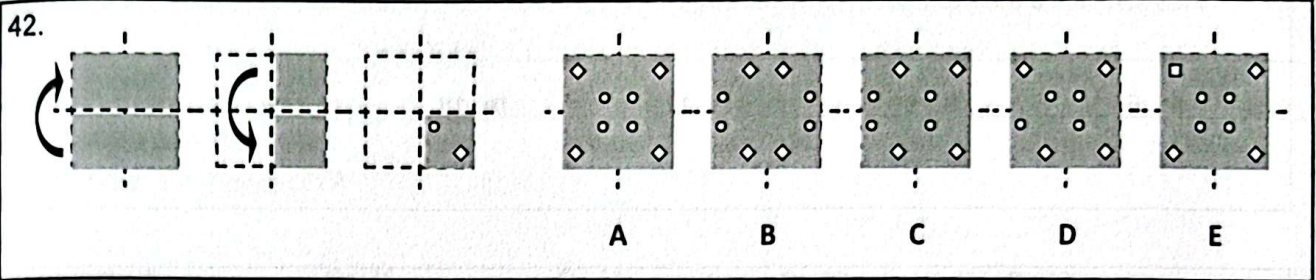
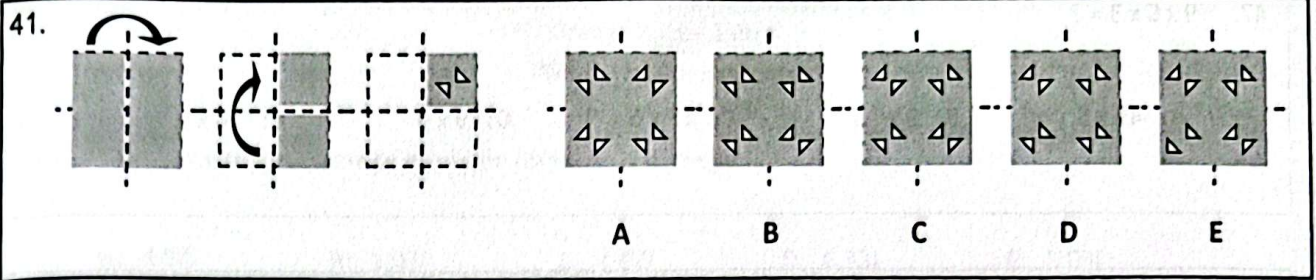
D



E

Continue to the next page

In the following questions, on the left there is a diagram showing a piece of paper being folded and having shapes punched through it. Find the figure on the right that shows the correct punched shapes once the paper is unfolded.



Wait here until you are told to continue

Section 4 – Maths

YOU HAVE 19 MINUTES TO COMPLETE THIS SECTION

47. $9 \times 6 \times 3 = ?$

A: 45×3

B: 9×18

C: 18×6

D: 9×9

E: 16×9

48. What is the highest common factor of 54 and 72?

A: 6

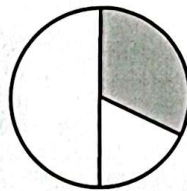
B: 9

C: 12

D: 18

E: 27

49. How many degrees does the shaded part of the circle represent?



A: 115°

B: 90°

C: 76°

D: 270°

E: 180°

50. Fraser, Lorenzo, Sam and Jackie work together at a sales company. In December they compared their sales figures for the month. Fraser made 48 sales, Lorenzo made 56, Sam made 50, but Jackie could not remember the number of sales she made. The mean of all their sales was 53.

How many sales did Jackie make in December?

A: 58

B: 45

C: 48

D: 52

E: 60

51. What is 4.6×16.4 ?

A: 7.544

B: 75.44

C: 0.7544

D: 754.4

E: 0.07544

Continue to the next page

52. Anne goes to the supermarket to buy a variety of drinks. She buys the following amount of each drink:

Blackcurrant juice - 0.2 litres

Cola - 330 millilitres

Orange juice - 1 litre

Water - 3,500 millilitres

What is the total volume of drinks (in litres) that Anne bought?

- A: 4.88/ B: 4.93/ C: 4.62/ D: 6.33/ E: 5.03/

53. $11y + 24 = 156$

What is the value of y ?

- A: 8 B: 16 C: 11 D: 12 E: 13

54. In a dance competition, $\frac{1}{2}$ of the dancers do ballet, $\frac{1}{4}$ are ballroom dancers and $\frac{1}{5}$ do contemporary dance. The rest are tap dancers.

What fraction of the dancers do tap dancing?

- A: $\frac{1}{20}$ B: $\frac{2}{5}$ C: $\frac{1}{10}$ D: $\frac{1}{4}$ E: $\frac{1}{9}$

55. A cheetah can run 27m in one second at its maximum speed.

What is the furthest it could run in 15 minutes?

- A: 2430cm B: 0.243km C: 24.3km D: 2.43km E: 243m

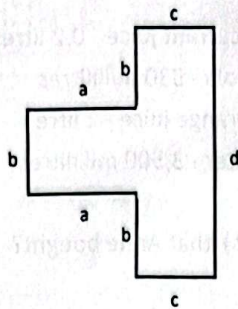
56. Multiply the number of sides a hexagon has by the order of rotational symmetry of a parallelogram. Then multiply the answer by four.

What number do you get?

- A: 46 B: 36 C: 48 D: 58 E: 54

Continue to the next page

57. What is the perimeter of this shape?



- A: $2a + 2b + 2c + d$ B: $2a + 3b + 2c + d$ C: $(a + b + c) \times 2$ D: $(a + c) \times 2b$ E: $2(a + b + c + d)$

58. The temperature in Pittsfield tomorrow night is predicted to be -11°C . Pittsfield's sister city is Larreynaga, Nicaragua. The temperature there is predicted to be 19°C .

What is the difference in predicted temperature between Pittsfield and Larreynaga?

- A: -30°C B: 8°C C: 13°C D: 30°C E: 28°C

59. Jose buys a laptop for the reduced price of £329 after a 30% discount.

What was the original price of the laptop?

- A: £470 B: £410 C: £230 D: £380 E: £460

60. Alex has a portrait of his cat commissioned to display in his living room. The area of the portrait is $7,200\text{cm}^2$. The length of the portrait is 120cm.

What is the width of the portrait?

- A: 80cm B: 120cm C: 60m D: 60cm E: 70cm

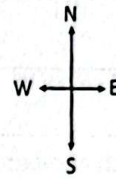
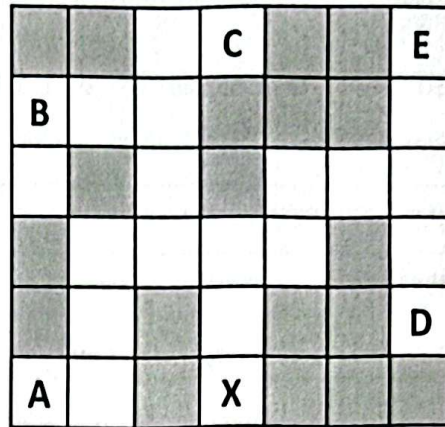
61. Sylvia wins £12,500. She takes £3,200 for herself and splits the rest equally with her daughter.

How much money does Sylvia get?

- A: £6,950 B: £7,850 C: £8,650 D: £8,250 E: £6,500

Continue to the next page

62. A robot is placed in the maze shown in the diagram facing north, at point X, and given instructions to move.



Which point would the robot end up with following the instructions below?

Forward 2, turn right 90° ,

Forward 1, turn left 90° ,

Forward 1, turn right 90° ,

Forward 2, turn right 90° ,

Forward 2

A: A

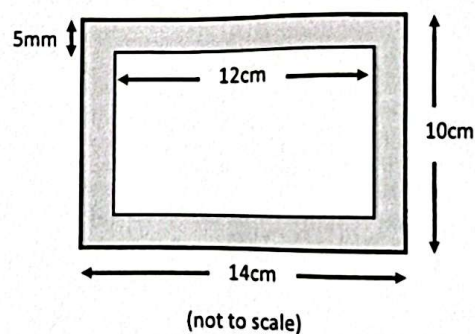
B: B

C: C

D: D

E: E

63. Calculate the area of the shaded region on the diagram below.



A: 32cm^2

B: 25cm^2

C: 18cm^2

D: 36cm^2

E: 28cm^2

Continue to the next page

64. The distance from Andrew's house to his gym is 2.2km. On a map this is represented by 4cm. What is the scale of the map?

A: 1: 5,500 B: 1: 550 C: 1: 55,000 D: 1: 110,000 E: 1: 27,500

65. Which number has the largest value?

0.65 $\frac{2}{3}$ $\frac{3}{7}$ $\frac{11}{14}$ 0.7

A: 0.65 B: $\frac{2}{3}$ C: $\frac{3}{7}$ D: $\frac{11}{14}$ E: 0.7

END OF TEST

Reasoning Paper G

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SECTION 1: COMPREHENSION

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SECTION 2: VERBAL REASONING

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SECTION 3: NON-VERBAL REASONING

29	30	31	32	33	34
A ☐	A ☐	A ☐	A ☐	A ☐	A ☐
B ☐	B ☐	B ☐	B ☐	B ☐	B ☐
C ☐	C ☐	C ☐	C ☐	C ☐	C ☐
D ☐	D ☐	D ☐	D ☐	D ☐	D ☐
E ☐	E ☐	E ☐	E ☐	E ☐	E ☐

35	36	37	38	39	40
A ☐	A ☐	A ☐	A ☐	A ☐	A ☐
B ☐	B ☐	B ☐	B ☐	B ☐	B ☐
C ☐	C ☐	C ☐	C ☐	C ☐	C ☐
D ☐	D ☐	D ☐	D ☐	D ☐	D ☐
E ☐	E ☐	E ☐	E ☐	E ☐	E ☐

41	42	43	44	45	46
A ☐	A ☐	A ☐	A ☐	A ☐	A ☐
B ☐	B ☐	B ☐	B ☐	B ☐	B ☐
C ☐	C ☐	C ☐	C ☐	C ☐	C ☐
D ☐	D ☐	D ☐	D ☐	D ☐	D ☐
E ☐	E ☐	E ☐	E ☐	E ☐	E ☐

SECTION 4: MATHS

47	48	49	50	51	52	53
A ☐	A ☐	A ☐	A ☐	A ☐	A ☐	A ☐
B ☐	B ☐	B ☐	B ☐	B ☐	B ☐	B ☐
C ☐	C ☐	C ☐	C ☐	C ☐	C ☐	C ☐
D ☐	D ☐	D ☐	D ☐	D ☐	D ☐	D ☐
E ☐	E ☐	E ☐	E ☐	E ☐	E ☐	E ☐

54	55	56	57	58	59	60
A ☐	A ☐	A ☐	A ☐	A ☐	A ☐	A ☐
B ☐	B ☐	B ☐	B ☐	B ☐	B ☐	B ☐
C ☐	C ☐	C ☐	C ☐	C ☐	C ☐	C ☐
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E ☐	E ☐	E ☐	E ☐	E ☐	E ☐	E ☐

61	62	63	64	65
A ☐	A ☐	A ☐	A ☐	A ☐
B ☐	B ☐	B ☐	B ☐	B ☐
C ☐	C ☐	C ☐	C ☐	C ☐
D ☐	D ☐	D ☐	D ☐	D ☐
E ☐	E ☐	E ☐	E ☐	E ☐