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Short GL Paper 1B
Mathematics & Non-Verbal Skills

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1. This is a multiple-choice practice paper where you need to mark your answer to each question on the separate answer sheet.

2. The paper contains a number of different question types. Each type of question begins with an example, followed by an explanation. The answer to the example question is already marked on the answer sheet.

3. Some of the questions require more than one answer to be marked. Please read the instructions for each question type carefully.

4. Mark a line clearly through the rectangle next to your answer like this:

5. If you make a mistake, rub it out and mark your new answer.

6. Be sure to keep your place on the answer sheet and to mark your answer in the same column that has the same number as the question.

7. You may find some of the questions difficult. If you cannot complete a question, or are not sure of an answer, choose the one that you think is best.

8. Work as quickly and carefully as you can. Time allowed 40 minutes.

1 $7x+2=y$ Find the value of y, when x is 4.

A 30 B 28 C 26 D 21 E 23

2 The total area of a rectangular room is 36m². The length of the room is 7.2m.

What is the width?

A 45cm B 50cm C 0.06m D 500cm E 1.5m

3 I go on holiday to Cornwall. I leave at 8am on Monday, and arrive back at 10pm the following Sunday.

If the journey from my house to Cornwall takes 4 hours each way, and I don't get stuck in any traffic jams, how many hours do I spend in Cornwall?

A 145 B 126 C 138 D 150 E 114

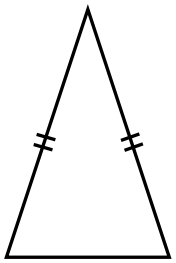
4 There is a patchwork quilt, in which 20% of the squares are blue, and 42 of the squares are pink.

The rest of the squares are all yellow.
If there are 140 squares on the patchwork quilt in total, how many are yellow?

A 36 B 70 C 84 D 62 E 68

5 In an isosceles triangle, one of the interior angles is 72°.
The other two angles are the same.

What are they?



A 56° B 108° C 8° D 54° E 84°

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6 Elliot uses 12 oranges to make 600 millilitres of orange juice.

How many oranges would he need to make enough orange juice to fill a litre bottle?

A 16 B 24 C 18 D 22 E 20

7 Annabel's mum broke the speed limit when she rushed back home from the airport.

She completed the 45 mile journey in just 30 minutes.

What was her average speed in miles per hour?

A 90mph B 70mph C 80mph D 100mph E 75mph

8 Joshua is not very well and he has to take medicine every day for five days.

He needs to take one 5ml teaspoon, three times a day.

How many millilitres of medicine will Joshua need to take to complete his course of treatment?

A 80ml B 75ml C 100ml D 90ml E 15ml

9 A farmer has 50 cows in his herd. The total amount of milk produced by the herd in one day is 2000 litres. How many litres is produced by each cow?

A 30 litres B 50 litres C 48 litres D 40 litres E 400 litres

10 Harry has 374 football cards. He puts them all in an album that contains 16 pages. Each page holds 24 cards.

He fills up all of the pages except for the last page.
How many cards does Harry stick into the last page?

A 14 B 16 C 12 D 10 E 8

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11 It takes four window cleaners 84 hours to clean all 2,000 windows on an office block.

How long would it take if 16 window cleaners were to do the cleaning at the same speed?

A 16 hours B 20 hours C 18 hours D 25 hours E 21 hours

12 An aeroplane flying north changes direction by turning clockwise by 180 degrees as it prepares to land at Madrid airport.

In which direction is the plane now flying?

A south east B south C south west D north west E west

13 Anna is roasting a chicken. The instructions state that she has to roast the bird for 20 minutes per kilo + 20 minutes.
She cooks the bird for 1 hour and 20 minutes.

How heavy is the chicken?

A 2.5kg B 2.75kg C 3.5kg D 3kg E 4kg

14 There are a total of 2342 passengers on cruise ship as it leaves Southampton bound for the Mediterranean.

At the ship's first port of call in Barcelona, 40 passengers leave to fly home and 85 new guests join the cruise.

How many passengers are on the ship when it sails from Barcelona?

A 2387 B 2377 C 2467 D 2397 E 2117

15 Martha catches a train from Bristol to Bath at 09:30 and the journey lasts 45 minutes. She then immediately boards another train bound for Oxford which arrives at 11:20?

How long did Martha's second train journey last?

A 55 minutes B 35 minutes C 65 minutes D 70 minutes E 60 minutes

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16 Each morning, year 5 have lessons from 09:10 until break at 10:30.
After 20 minutes break, they have lessons until lunch time at 12:30.
A quarter of the lesson time is spent doing maths.

How long is spent on maths lessons every morning?

A 40 minutes B 45 minutes C 1 hour D 50 minutes E 90 minutes

17 Trisha is making fridge magnets to sell in order to make some money for her favourite charity.

Each fridge magnet take her 8 minutes to make.

How many fridge magnets can she make in 90 minutes?

A 15 B 12 C 14 D 11 E 16

18 Emily's book contains 75 pages.

How many pages is this to the nearest 10 pages?

A 70 B 80 C 50 D 100 E 90

19 Sam is reading a 60 page book, but discovers that pages 15 - 22 and pages 33 - 42 have been ripped out by his little brother.

How many pages of the book are still intact?

A 40 B 38 C 44 D 46 E 42

20 Hollie scored 24/40 in an end-of-term maths test.

Her teacher then realised that she had made some silly marking mistakes and after remarking Hollie's paper, found that she had really scored 70%.

How many questions did Hollie answer correctly after her paper was re-marked?

A 28 B 25 C 26 D 30 E 32

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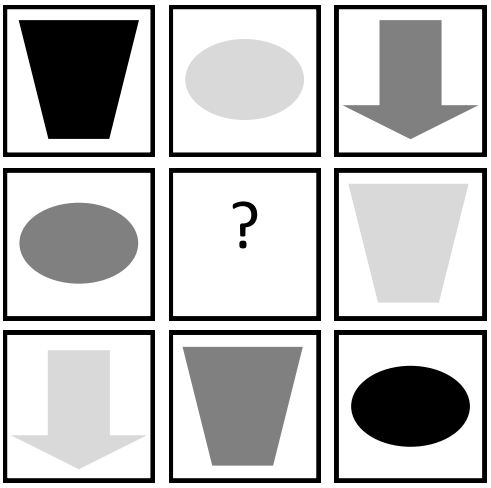

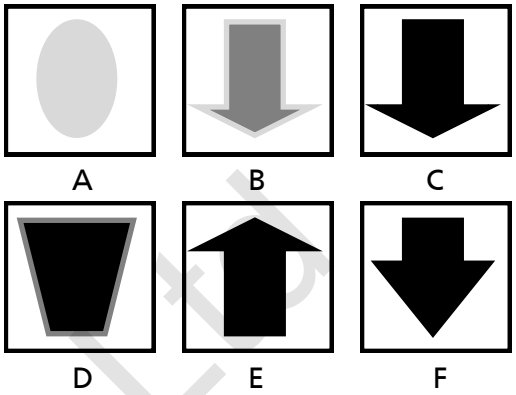

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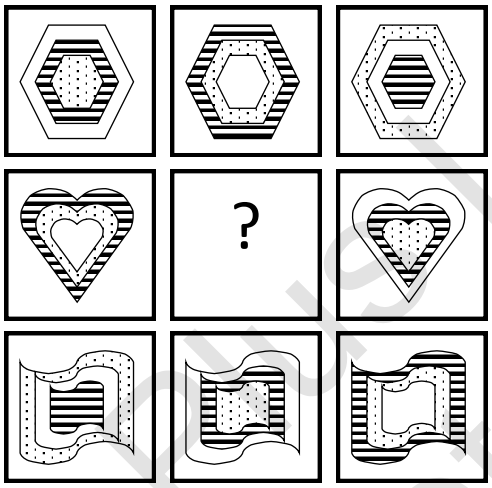

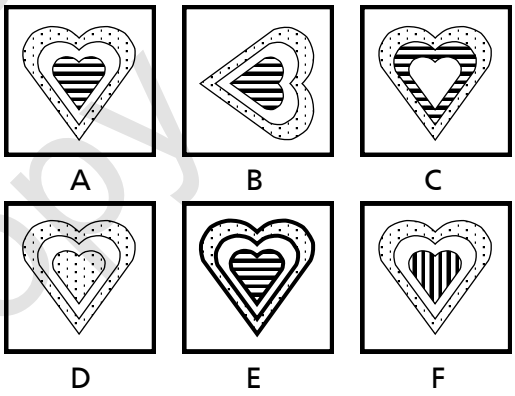

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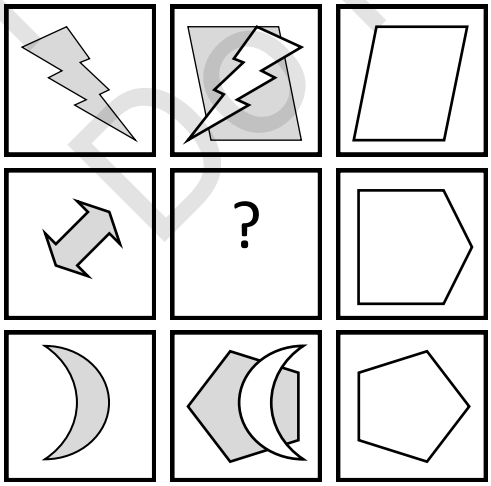

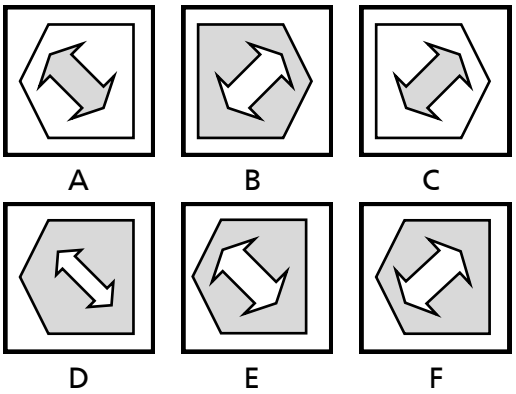

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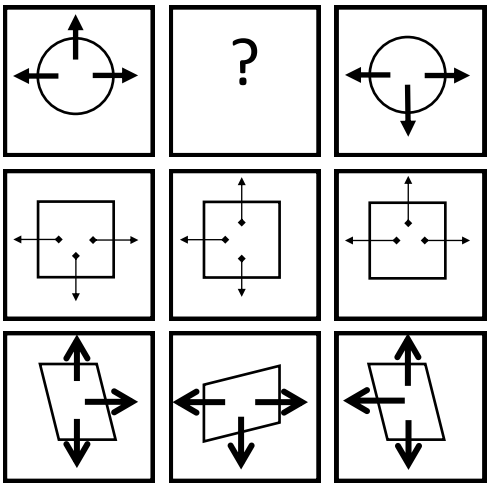

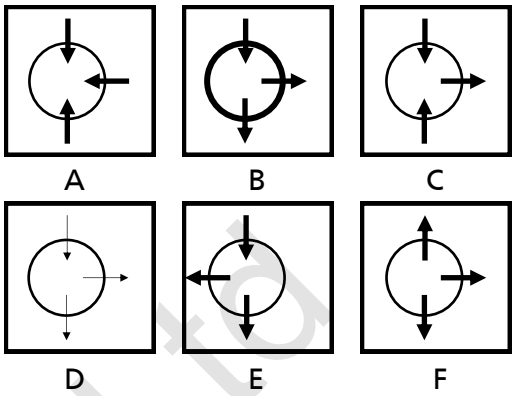

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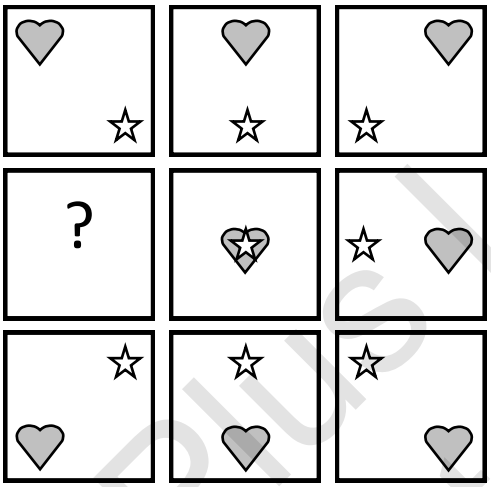

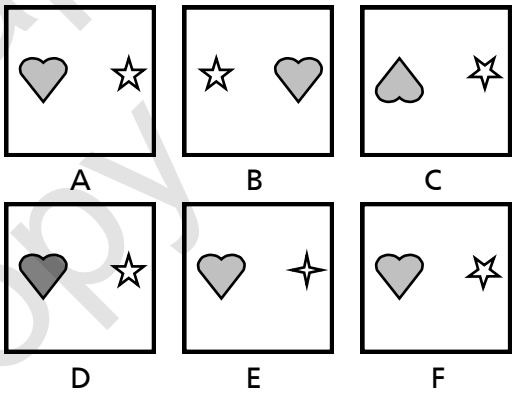

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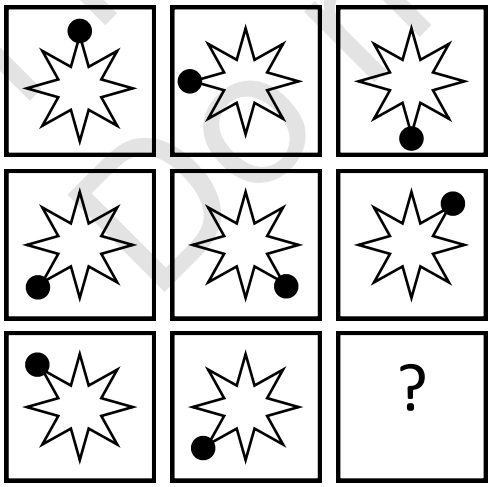

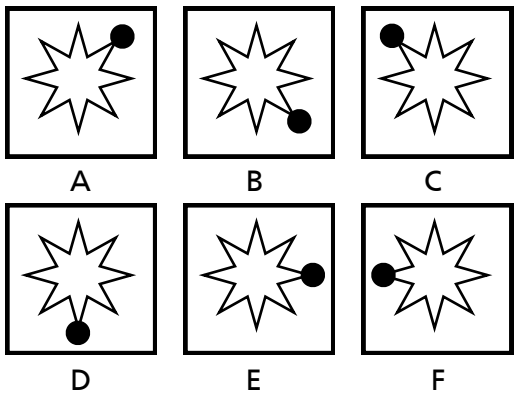

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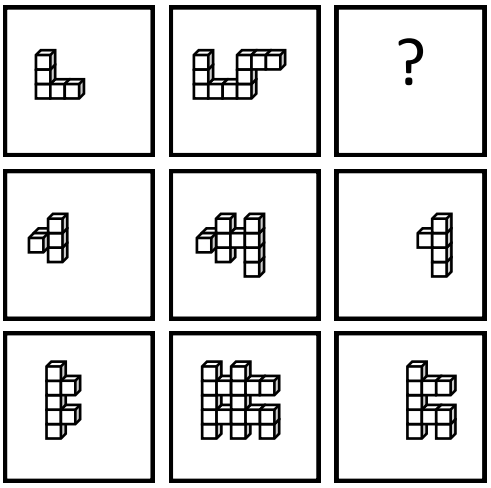

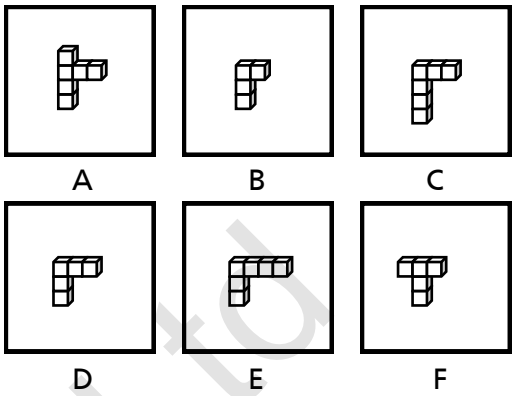

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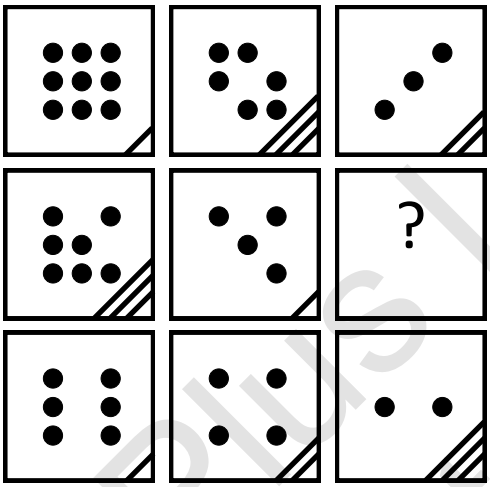

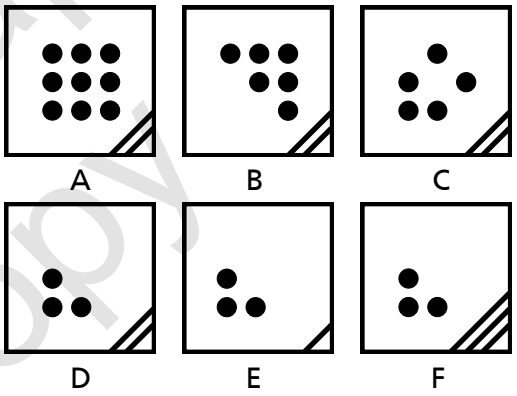

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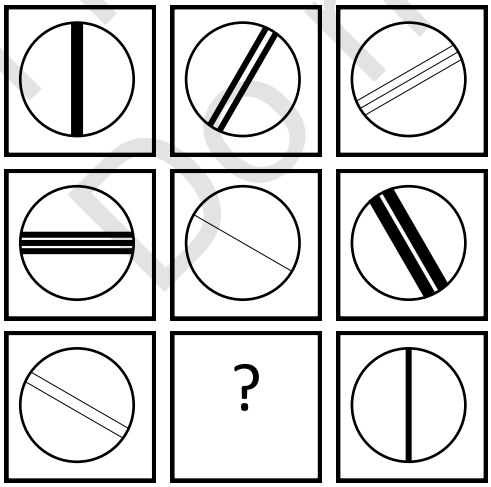

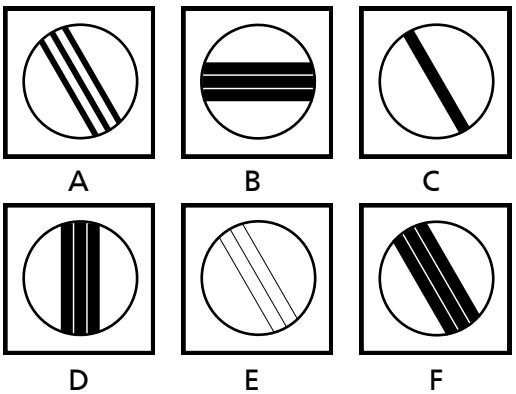

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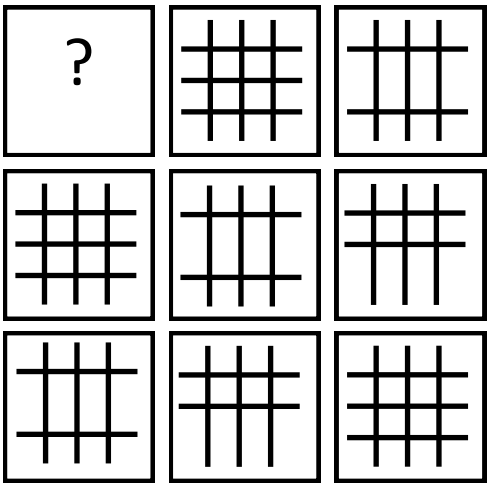

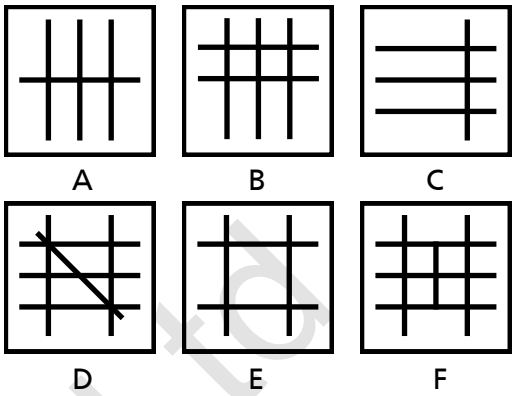

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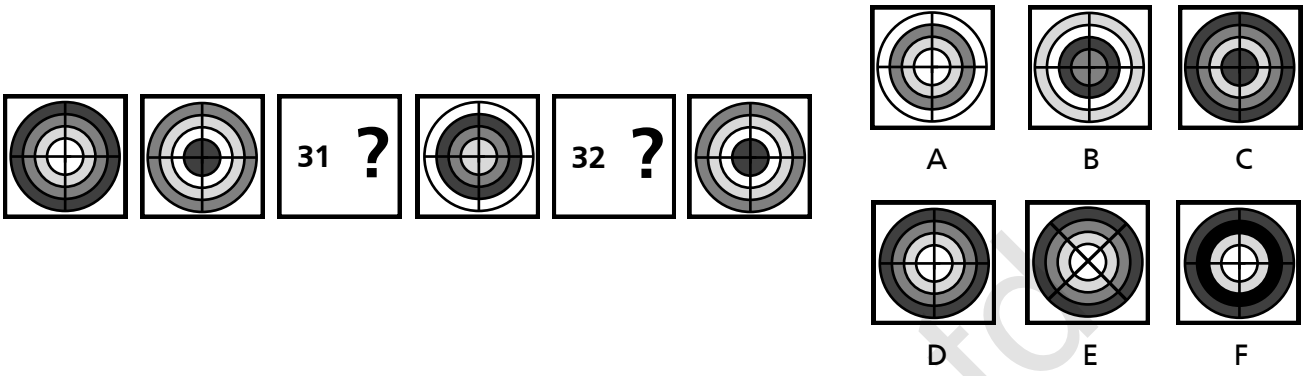

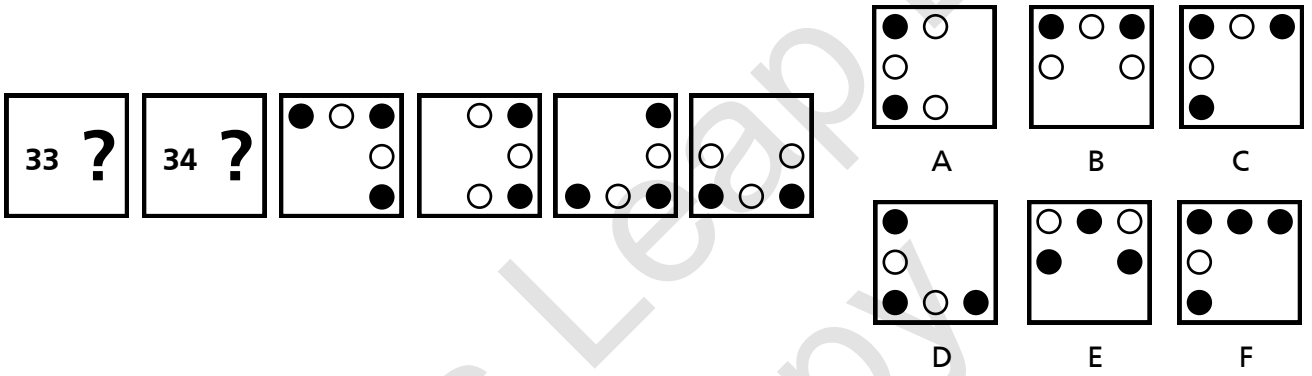

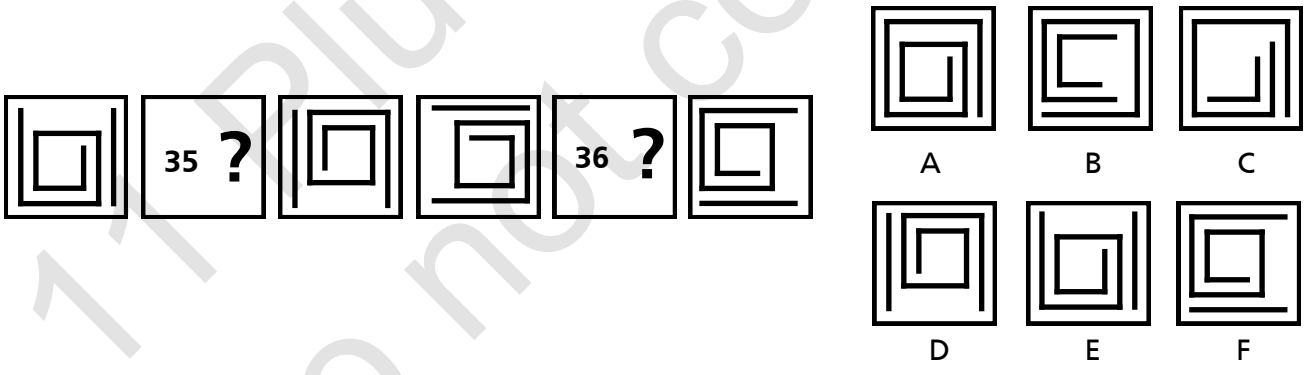

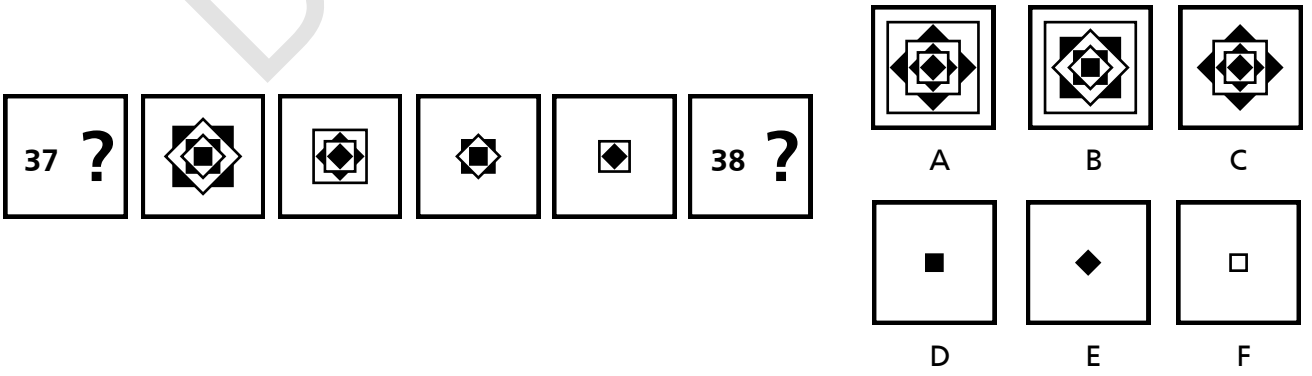

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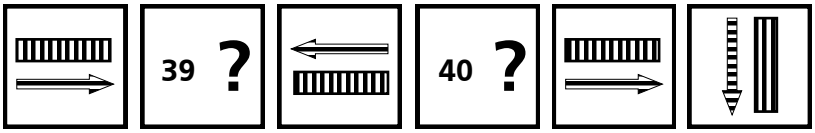

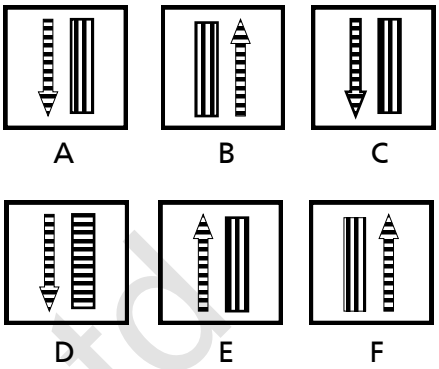

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END OF TEST

ANSWER SHEET – SHORT GL PAPER 1B - MATHEMATICS & NON-VERBAL SKILLS

Maths

	1	2	3	4	5
	30	45cm	145	36	56°
	28	50cm	126	70	108°
	26	0.06m	138	84	8°
	21	500cm	150	62	54°
	23	1.5m	114	68	84°

	6	7	8	9	10
	16	90mph	80ml	30 litres	14
	24	70mph	75ml	50 litres	16
	18	80mph	100ml	48 litres	12
	22	100mph	90ml	40 litres	10
	20	75mph	15ml	400 litres	8

	11	12	13	14	15
	16 hours	A	2.5kg	2387	55 minutes
	20 hours	B	2.75kg	2377	35 minutes
	18 hours	C	3.5kg	2467	65 minutes
	25 hours	D	3kg	2397	70 minutes
	21 hours	E	4kg	2117	60 minutes

	16	17	18	19	20
	40 minutes	15	70	40	28
	45 minutes	12	80	38	25
	1 hour	14	50	44	26
	50 minutes	11	100	46	30
	90 minutes	16	90	42	32

NVR Section 1

	1	2	3	4	5	6	7	8
	A	A	A	A	A	A	A	A
	B	B	B	B	B	B	B	B
	C	C	C	C	C	C	C	C
	D	D	D	D	D	D	D	D
	E	E	E	E	E	E	E	E
	F	F	F	F	F	F	F	F

	9	10
	A	A
	B	B
	C	C
	D	D
	E	E
	F	F

NVR Section 2

	1	2	3	4	5	6	7	8
	A	A	A	A	A	A	A	A
	B	B	B	B	B	B	B	B
	C	C	C	C	C	C	C	C
	D	D	D	D	D	D	D	D
	E	E	E	E	E	E	E	E
	F	F	F	F	F	F	F	F

	9	10
	A	A
	B	B
	C	C
	D	D
	E	E
	F	F

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Short GL Paper 1B Answers

Maths

1	30
2	500cm
3	150
4	70
5	54°
6	20
7	90mph
8	75ml
9	40 litres
10	14
11	21 hours
12	B
13	3kg
14	2387
15	65 minutes
16	45 minutes
17	11
18	80
19	42
20	28

NVR 1

21	C
22	A
23	E
24	F
25	A
26	B
27	D
28	D
29	F
30	B

NVR 2

31	B
32	D
33	C
34	B
35	F
36	E
37	A
38	D
39	A
40	B

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