

Reasoning Paper A

Reasoning Paper B

1	E	31	C	61	B	1	B	31	E	61	C
2	A	32	E	62	D	2	C	32	D	62	A
3	C	33	C	63	C	3	D	33	D	63	B
4	B	34	D	64	B	4	E	34	A	64	A
5	C	35	B	65	C	5	A	35	B	65	D
6	D	36	C			6	C	36	D		
7	B	37	A			7	C	37	B		
8	C	38	C			8	B	38	C		
9	B	39	E			9	C	39	B		
10	C	40	A			10	B	40	D		
11	D	41	D			11	E	41	D		
12	B	42	E			12	A	42	C		
13	a	43	A			13	CAT	43	B		
14	o	44	E			14	RAN	44	D		
15	t	45	B			15	PAT	45	C		
16	i	46	D			16	OIL	46	E		
17	r	47	C			17	CAP	47	E		
18	WL	48	B			18	44	48	B		
19	UH	49	D			19	6	49	A		
20	VP	50	D			20	65	50	C		
21	CS	51	A			21	42	51	E		
22	UF	52	C			22	96	52	D		
23	A	53	D			23	short	53	C		
24	E	54	A			24	cool	54	E		
25	D	55	E			25	spot	55	C		
26	B	56	A			26	hard	56	C		
27	B	57	C			27	ring	57	E		
28	A	58	D			28	C	58	A		
29	B	59	B			29	A	59	B		
30	D	60	E			30	B	60	D		

Reasoning Paper C

Reasoning Paper D

1	D	31	C	61	D	1	D	31	B	61	C
2	E	32	B	62	A	2	E	32	D	62	D
3	D	33	B	63	B	3	C	33	D	63	A
4	B	34	D	64	B	4	A	34	B	64	C
5	E	35	A	65	D	5	E	35	A	65	A
6	C	36	B			6	C	36	C		
7	B	37	D			7	B	37	D		
8	C	38	C			8	D	38	C		
9	A	39	B			9	C	39	D		
10	A	40	D			10	D	40	B		
11	C	41	C			11	B	41	A		
12	A	42	E			12	B	42	D		
13	cart	43	D			13	LMLJN	43	B		
14	amuse	44	B			14	LIGHT	44	E		
15	gone	45	E			15	CKCXG	45	C		
16	spots	46	B			16	HGZRI	46	B		
17	stand	47	B			17	TEST	47	B		
18	35	48	A			18	p	48	A		
19	17	49	D			19	s	49	D		
20	224	50	C			20	n	50	C		
21	65	51	E			21	u	51	B		
22	3	52	A			22	d	52	A		
23	p	53	D			23	1	53	D		
24	t	54	E			24	6	54	E		
25	d	55	D			25	10	55	A		
26	k	56	B			26	9	56	C		
27	e	57	E			27	5	57	D		
28	D	58	C			28	A	58	C		
29	E	59	C			29	B	59	B		
30	B	60	B			30	B	60	E		

Reasoning Paper A

Pupil's Name

Date of Test

School Name

DATE OF BIRTH

PUPIL NUMBER

SCHOOL NUMBER

Day

Month

Year

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		November		2022	
		December		2023	

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

s	
t	
a	
i	
d	

13

a	
c	
o	
r	
n	

14

m	
o	
i	
s	
t	

15

s	
t	
i	
n	
g	

16

s	
t	
a	
i	
r	

17

b	
r	
e	
a	
k	

Example

HG	
JF	
GP	
KF	
KG	

18

WJ	
VK	
WL	
UK	
VL	

19

UH	
VJ	
UG	
VH	
WI	

20

UP	
UO	
VQ	
VP	
TO	

21

FS	
CS	
CR	
ZT	
GS	

22

TF	
UG	
TG	
UF	
TE	

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

A	☐
B	☐
C	☐
D	☐
E	☐

30

A	☐
B	☐
C	☐
D	☐
E	☐

31

A	☐
B	☐
C	☐
D	☐
E	☐

32

A	☐
B	☐
C	☐
D	☐
E	☐

33

A	☐
B	☐
C	☐
D	☐
E	☐

34

A	☐
B	☐
C	☐
D	☐
E	☐

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	☐

41

A	☐
B	☐
C	☐
D	☐
E	☐

42

A	☐
B	☐
C	☐
D	☐
E	☐

43

A	☐
B	☐
C	☐
D	☐
E	☐

44

A	☐
B	☐
C	☐
D	☐
E	☐

45

A	☐
B	☐
C	☐
D	☐
E	☐

46

A	☐
B	☐
C	☐
D	☐
E	☐

SECTION 4: MATHS

47

A	☐
B	☐
C	☐
D	☐
E	☐

48

A	☐
B	☐
C	☐
D	☐
E	☐

49

A	☐
B	☐
C	☐
D	☐
E	☐

50

A	☐
B	☐
C	☐
D	☐
E	☐

51

A	☐
B	☐
C	☐
D	☐
E	☐

52

A	☐
B	☐
C	☐
D	☐
E	☐

53

A	☐
B	☐
C	☐
D	☐
E	☐

54

A	☐
B	☐
C	☐
D	☐
E	☐

55

A	☐
B	☐
C	☐
D	☐
E	☐

56

A	☐
B	☐
C	☐
D	☐
E	☐

57

A	☐
B	☐
C	☐
D	☐
E	☐

58

A	☐
B	☐
C	☐
D	☐
E	☐

59

A	☐
B	☐
C	☐
D	☐
E	☐

60

A	☐
B	☐
C	☐
D	☐
E	☐

61

A	☐
B	☐
C	☐
D	☐
E	☐

62

A	☐
B	☐
C	☐
D	☐
E	☐

63

A	☐
B	☐
C	☐
D	☐
E	☐

64

A	☐
B	☐
C	☐
D	☐
E	☐

65

A	☐
B	☐
C	☐
D	☐
E	☐

Section 1 – Comprehension

YOU HAVE 10 MINUTES TO COMPLETE THIS SECTION

A Beary Merry Christmas

Sally had a teddy bear, a teddy bear named 'Beary'.
His fur was warm, his belly soft, he wasn't very scary.
Everywhere that Sally went, Beary tagged along.
No matter what her mother said, her grip on him was strong.

- 5 With Beary, mittens, hat and scarf, Sally had prepared.
On Christmas Eve, a walk she went, she wasn't to be scared.
The land was cold and clad in white, yet out the pair did go.
Down the path, out the gate, along the roads of snow.

The pearly blanket covered all. She never saw the puddle.

- 10 With a splash and plop, in she went. Oh dear, it was a muddle.
Cold and wet, she cried out loud and ran back to her home.
Yet when she got back, safe inside, she'd left Beary out alone.

A blizzard came, the door was barred, and tears were in her eyes.
Not allowed to leave the house again, until came clearer skies.

- 15 A dreadful night, no sleep was had, a teddy she did borrow.
She had one wish, to go out and find her Beary on the morrow.

Morning came, the snow had left, and she dressed up in a rush.
She ran downstairs, her footsteps quick, to stop in sudden hush.
For on the mantel, Beary sat, just above her stocking.

- 20 It seems Santa saved him that night. It was so very shocking.

Now, every Christmas Eve that comes, Sally leaves out some mulled wine.
For jolly old Saint Nicholas, who saved poor Beary that one time.

Continue to the next page

1. Which of the statements below best describes Beary?

- A. He was a polar bear.
- B. He was cold and soft.
- C. He was furry and cold.
- D. He was furry and hard.
- E. He was cuddly and furry.

2. Which of the following items does the text not mention Sally taking on her walk?

- A. Wellies.
- B. Hat.
- C. Beary.
- D. Mittens.
- E. A scarf.

3. What is the "pearly blanket" (line 9) referring to?

- A. Sally's bed sheet.
- B. A piece of jewellery.
- C. The snow.
- D. Ash from the fireplace.
- E. A sandy beach.

4. How did Sally lose Beary?

- A. She dropped him in a pond.
- B. She fell in a puddle and dropped him.
- C. She left him on a bench.
- D. Her fingers froze and she dropped him.
- E. She lost him in a blizzard.

5. Why was Sally unable to go out looking for Beary?

- A. It was raining too much.
- B. There were bars on the door.
- C. There was a snowstorm.
- D. She was crying too much.
- E. There was a thunderstorm.

6. Why was Sally unable to sleep on Christmas Eve?

- A. She was reading a book.
- B. She was waiting for Santa.
- C. She was too excited about Christmas.
- D. She missed Beary too much.
- E. The teddy she borrowed was prickly.

Continue to the next page

7. How are we told Sally reacted to Beary's return?

- A. She received an electric shock.
- B. She was stunned.
- C. She fell over.
- D. She jumped with joy.
- E. She cried with happiness.

8. How type of word is 'quick' (line 18)?

- A. Verb.
- B. Noun.
- C. Adjective.
- D. Metaphor.
- E. Adverb.

9. Which of the following statements is true?

- A. The poem is set during the summer.
- B. The poem uses rhyming couplets.
- C. The poem is about Halloween.
- D. The poem doesn't rhyme.
- E. The poem is about a real animal.

10. Where did Sally find Beary in the morning?

- A. In the puddle.
- B. In her washing basket.
- C. Sat above the fireplace.
- D. Under the Christmas tree.
- E. On the window ledge.

11. What is the meaning of the word 'muddle' (line 10)?

- A. Freezing.
- B. Soaked.
- C. Scary.
- D. Confusion.
- E. Lost.

12. What is the meaning of the word 'morrow' (line 16)?

- A. A giant vegetable.
- B. The day after today.
- C. A sad feeling.
- D. Part of a bone.
- E. The morning.

Wait here until you are told to continue

Section 2 – Verbal Reasoning

YOU HAVE 12 MINUTES TO COMPLETE THIS SECTION

In each question below, one letter can be moved from the first word to the second word making two new words. The order of the letters must not be changed and the new words must make sense. Find the letter that can be moved and mark it on the answer sheet.

Example: staid rip

Answer: t (the new words are said and trip)

- | | | |
|-----|-------|------|
| 13. | acorn | cost |
| 14. | moist | bots |
| 15. | sting | aced |
| 16. | stair | alas |
| 17. | break | dips |

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

- | | | | | | | |
|-----|----|----|----|----|----|-----|
| 18. | HB | ID | KF | NH | RJ | (?) |
| 19. | MW | OT | PQ | RN | SK | (?) |
| 20. | GZ | LX | PV | ST | UR | (?) |
| 21. | HD | AG | GJ | BM | FP | (?) |
| 22. | KU | MR | OO | QL | SI | (?) |

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 $A = 7$, $B = 1$, $C = 2$, $D = 5$, $E = 3$, what is the answer to this sum as a letter?

$$C \times E + B = ?$$

24. If $A = 7$, $B = 9$, $C = 5$, $D = 12$, $E = 10$, what is the answer to this sum as a letter?

$$(D - A) + C = ?$$

25. If $A = 8$, $B = 6$, $C = 5$, $D = 3$, $E = 7$, what is the answer to this sum as a letter?

$$(A + E) \div C = ?$$

26. If $A = 16$, $B = 12$, $C = 3$, $D = 14$, $E = 8$, what is the answer to this sum as a letter?

$$E \times C - B = ?$$

27. If $A = 8$, $B = 4$, $C = 5$, $D = 10$, $E = 6$, what is the answer to this sum as a letter?

$$(A \times C) \div D = ?$$

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

28. Five friends each roll a standard six-sided dice once. Anna rolls an odd number that isn't the biggest number rolled. Ben and Debbie are the only ones to roll identical numbers. Emily rolls an even number that is twice as big as Ben's number. Carl rolls a 2, which is the smallest number rolled.

Who rolled a 5 on the dice?

A: Anna

B: Ben

C: Carl

D: Debbie

E: Emily

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

29.



A



B



C



D



E

30.



A



B



C



D

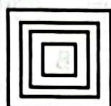


E

31.



A



B



C



D



E

32.



A



B



C



D



E

33.



A



B



C



D



E

34.



A



B



C



D

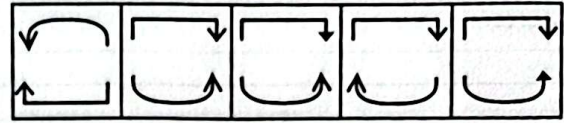
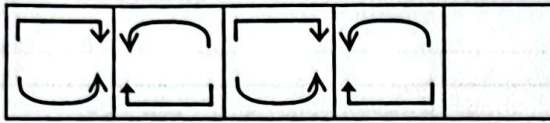


E

Continue to the next page

In the following questions, the five squares on the left have been arranged in order. One of the squares has been left blank. Find which one of the squares should go in place of the blank square.

35.



A

B

C

D

E

36.



A

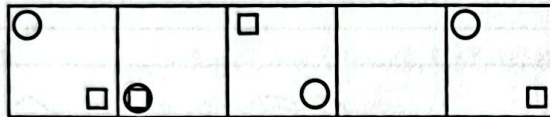
B

C

D

E

37.



A

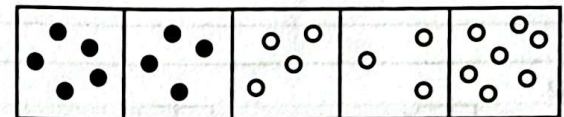
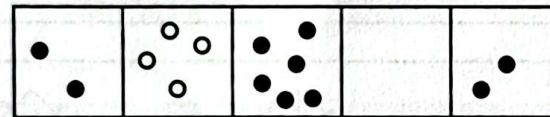
B

C

D

E

38.



A

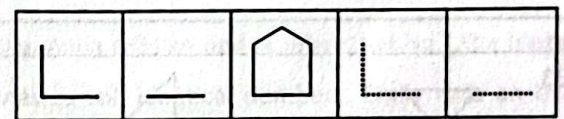
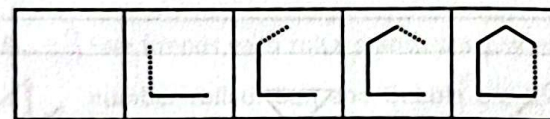
B

C

D

E

39.



A

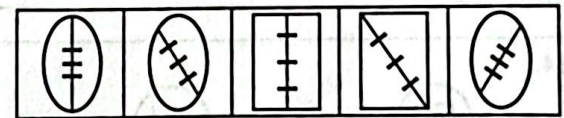
B

C

D

E

40.



A

B

C

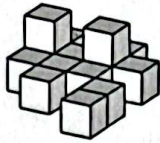
D

E

Continue to the next page

In the following questions, there are 3D shapes formed from small cubes. There are no hidden cubes unless they are below another cube and supporting it. Count how many small cubes are used in the construction.

41.



12

10

13

14

11

A

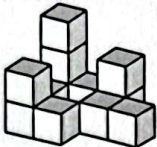
B

C

D

E

42.



9

11

13

10

12

A

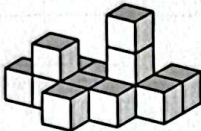
B

C

D

E

43.



13

12

15

14

16

A

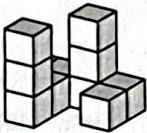
B

C

D

E

44.



8

13

12

9

11

A

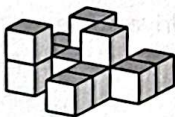
B

C

D

E

45.



12

13

14

11

10

A

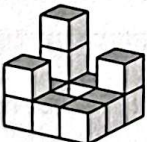
B

C

D

E

46.



11

14

13

12

10

A

B

C

D

E

Wait here until you are told to continue

Section 4 – Maths

YOU HAVE 19 MINUTES TO COMPLETE THIS SECTION

47. What is the highest common factor of 32 and 48?

A: 2

B: 8

C: 16

D: 12

E: 9

48. Anthony visits a local zoo and counts the animals, he then rounds the number to the nearest 100.
He records 600 animals.

Which answer could be the actual number of animals he counted?

A: 708

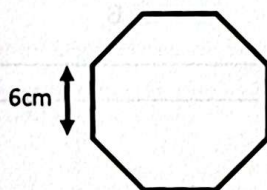
B: 555

C: 548

D: 497

E: 654

49. What is the perimeter of this regular octagon?



A: 36cm

B: 42cm

C: 30cm

D: 48cm

E: 40cm

50. Genevieve leaves work at 6:30pm. She takes 15 minutes to drive to the gym.
She spends 55 minutes at the gym, and then takes another 25 minutes to drive home.
What time does she arrive home?

A: 20:35

B: 08:35

C: 21:05

D: 20:05

E: 08:05

51. What is the sum of the first five square numbers minus the sum of the first three cube numbers?

A: 19

B: 23

C: 35

D: 16

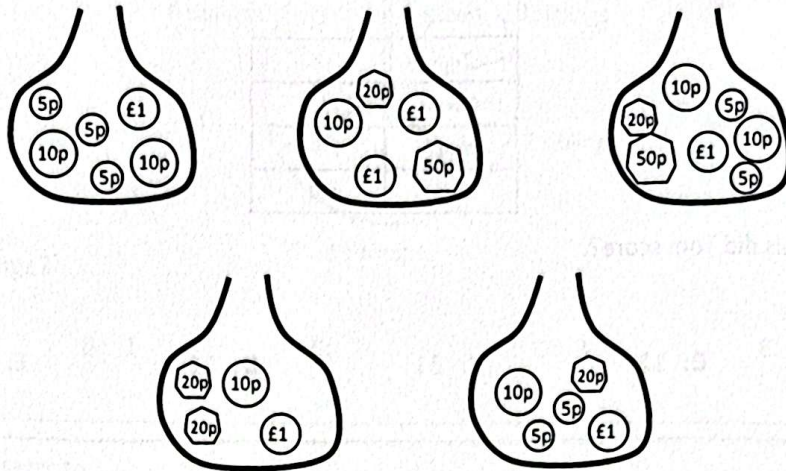
E: 11

Continue to the next page

52. Jenny has five money bags.

Some of the bags have the same probability of drawing a 10p coin when a coin is removed at random.

How many of the bags have the same probability of drawing a 10p coin?



A: 1

B: 5

C: 2

D: 3

E: 4

53. Which answer has the largest value?

A: 0.26

B: $\frac{1}{5}$

C: 27.5%

D: $\frac{7}{25}$

E: 0.23

54. Oak Gardens Primary School are planning paintballing trips for the end of year. Class A has 26 pupils going, Class B has 18, Class C has 16, Class D has 32 and Class E has 12.

A maximum of 20 pupils can go on one day and pupils from more than one class can go together.

How many days will it take for all the pupils to go paintballing?

A: 6

B: 2

C: 5

D: 9

E: 3

55. There are 30 pupils in class 5C. The ratio of boys to girls in the class is 3:2.

How many boys are there?

A: 22

B: 16

C: 12

D: 9

E: 18

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56. A football team, Athletico Altrincham, has five strikers, who score an average of 12 goals in a season. Tom's goals have been left off of the table.

Player	Goals
Freddie	17
Tom	?
Callum	11
Matty	3
Zayne	10

How many goals did Tom score?

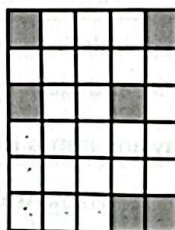
- A: 19 B: 12 C: 31 D: 11 E: 22

57. Frankie wants to buy a new laptop. His mother gives him £220 and he gets £34 a week pocket money. The laptop costs £800.

How many weeks will it take Frankie to save up for the laptop?

- A: 22 B: 9 C: 18 D: 15 E: 33

58. What fraction of the shape is shaded in?



- A: $\frac{1}{6}$ B: $\frac{1}{4}$ C: $\frac{4}{5}$ D: $\frac{1}{5}$ E: $\frac{5}{6}$

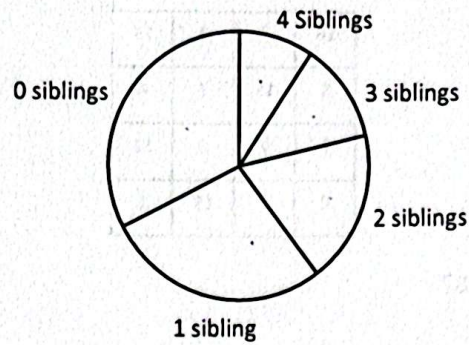
59. The scale on a map is 1:300,000. Clarence's house is 5cm from Altrincham on the map.

What is the distance from Clarence's house to Altrincham in real life?

- A: 1.5km B: 15km C: 4.5km D: 30km E: 3km

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60. The pie chart shows the number of siblings pupils in year 5 have.



What is the range?

- A: 0 B: 1 C: 2 D: 3 E: 4

61. What is the answer to:

$$(16 + 2 \div 2) - (2 \times 3 + 1) =$$

- A: 12 B: 10 C: 22 D: 18 E: 16

62. Which of the following statements is not true?

- A: The sum of the first four prime numbers is 17.
B: The sum of the first three prime numbers is not equal to the fourth prime number.
C: The fifth prime number minus the sum of the first three prime numbers is 1.
D: The sum of the first four prime numbers minus the fifth prime number is 7.
E: The sum of the first two prime numbers is equal to the third prime number.

63. Which answer is the longest length?

- A: 440m B: 44,000cm C: 0.45km D: 4500cm E: 45,000mm

64. Fletcher buys five pies. He needs to divide them up between 14 people.

Each person needs four slices each, and Fletcher has to cut every slice to the same size.

What is the smallest number of slices that can be left over once they are handed out?

- A: 5 B: 4 C: 6 D: 8 E: 2

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65. In the magic square, all the rows, columns and diagonals of four squares add up to the same number.

16	?	3	13
5	11	?	A
?	7	6	12
B	?	15	1

What are the values of A and B?

A: A= 6 B= 4

B: A= 4 B= 5

C: A= 8 B= 4

D: A= 7 B= 3

E: A= 8 B= 6

END OF TEST