

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 D

Pupil's Name

Date of Test

School Name

DATE OF BIRTH

PUPIL NUMBER

SCHOOL NUMBER

Day

Month

Year

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[4]	[4]	[4]	[4]	[4]	[4]
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		June		2017	
		July		2018	
		August		2019	
		September		2020	
		October		2021	
		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 ☐
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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 ☐
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SECTION 2: VERBAL REASONING

Example ECNH ☐ AYJD ☐ FCNH ☐ ECHN ☐ EDNH ☐	13 MNKM ☐ LMJN ☐ KLMN ☐ LMKM ☐ LNLKM ☐	14 LINES ☐ JINKS ☐ LOOSE ☐ JOKER ☐ LIGHT ☐	15 CKCXG ☐ CKDXF ☐ DKCXG ☐ CKCYG ☐ CLCYG ☐	16 NKXIO ☐ HGZRI ☐ HFZSI ☐ HGZTI ☐ NKOPA ☐	17 VEST ☐ TENT ☐ TEAL ☐ TEST ☐ VANE ☐
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Example s ☐ t ☐ a ☐ i ☐ d ☐	18 s ☐ p ☐ o ☐ o ☐ n ☐	19 s ☐ t ☐ a ☐ k ☐ e ☐	20 f ☐ l ☐ o ☐ w ☐ n ☐	21 p ☐ r ☐ o ☐ u ☐ d ☐	22 d ☐ r ☐ i ☐ f ☐ t ☐
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Example 6 ☐ 4 ☐ 5 ☐ 8 ☐ 7 ☐	23 2 ☐ 3 ☐ 0 ☐ 1 ☐ 4 ☐	24 8 ☐ 6 ☐ 3 ☐ 4 ☐ 10 ☐	25 10 ☐ 8 ☐ 12 ☐ 11 ☐ 16 ☐	26 3 ☐ 11 ☐ 8 ☐ 10 ☐ 9 ☐	27 4 ☐ 6 ☐ 1 ☐ 5 ☐ 7 ☐	28 A ☐ B ☐ C ☐ D ☐ E ☐
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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

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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	☐

GL TEST PAPER D

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

A Dragon in the Garden

"Mum!" yelled Charlie. "There's a dragon in the garden!" He couldn't quite believe his eyes, but he also knew he wasn't dreaming; he'd already showered, dressed, and eaten his breakfast – if he was dreaming, he surely would have noticed by now.

"Do you have your PE kit ready?" his mum asked as she rushed around the kitchen.

- 5 "Did you hear me?" replied Charlie. "There's a dragon in the back garden!"

Mum, who ordinarily had all the time in the world for Charlie's often vivid imagination, was running out of patience on this busy Monday morning.

"Sorry, Charlie. I don't have time to play games this morning. Can you make sure your sister finishes her toast? Also, get your PE kit off the washing line."

- 10 Charlie stuttered, "You want me to go outside? With the dragon?" He was not overly keen to do so.

"Yes, Charlie. With the dragon. Go and get your kit. We're going to be late!" Mum insisted.

Charlie unlocked the back door. The click was loud enough to cause the dragon to look around. Charlie was struck by how friendly the dragon looked, and the creature's red and green scales reminded him of Christmas. *You're not scary at all*, he thought. He stepped out onto the patio and slowly approached

- 15 the washing line. The hulking frame of the dragon loomed between Charlie and the PE kit.

"Excuse me," said Charlie. The dragon looked around at him with a quizzical look. "I need to get my PE kit off the washing line." Charlie warily pointed at his kit hanging on clothes pegs. The dragon looked over too and launched a stream of fire from its mouth without pause, instantly incinerating poor Charlie's PE kit, which shrivelled up and melted into a pool of liquid polyester.

- 20 "Great," said Charlie, as the dragon, pleased with himself, seemed to smile at him, apparently seeking approval. "Where are you from?" the boy asked. The dragon, of course, said nothing, but he looked up at the sky, which was a brilliant, bright blue on this delightful spring morning. "You come from up there?" said Charlie. The dragon nodded in response. It would seem he could at least understand English.

- 25 Suddenly, and to Charlie's alarm, one of the dragon's great wings swept around him, gently pushing him towards the dragon's flank. Then, it began to lift the boy and placed him on its back, right between its wings. It was remarkably comfortable, Charlie thought. But then, the dragon pushed its nose upwards, and Charlie knew what it was driving at.

- 30 "No, I can't go with you. I have to go to school and...." The dragon, who had been remarkably quiet until now, issued a deep grunt, which Charlie read as disappointment. "I'm sorry. I can't do anything about it. I have to go to school, or else...." The dragon turned its giant head to look at Charlie, and he saw an unmistakable flash of mischief in its great eye, and he knew what was about to happen. Mum entered the garden just in time to see the huge, winged creature veer off into the vibrant blue sky.

Continue to the next page

1. How did Charlie know he wasn't dreaming?

- A. He had already eaten his dinner.
- B. He had already had a bath.
- C. He pinched himself.
- D. He had already gotten dressed for school.
- E. He never dreamed of dragons.

2. At what time of the day is the story set?

- A. The middle of the night.
- B. Early evening.
- C. The afternoon.
- D. Tea time.
- E. The morning.

3. What characteristic of the dragon reminded Charlie of Christmas?

- A. It had a white beard like Santa.
- B. It had a red nose like Rudolph.
- C. The colour of its scales.
- D. The snow covering its back.
- E. The tinsel wrapped around its horns.

4. It says the Charlie had a "vivid imagination" (line 6). What does this mean?

- A. He is very good at imagining things.
- B. His imagination is very bright.
- C. He struggles to make things up.
- D. His imagination is very ordinary.
- E. He always images dragons in the garden.

5. How does Charlie's mum react to him telling her about the dragon?

- A. She calls the RSPCA.
- B. She runs away screaming.
- C. She tells him to give it his PE kit.
- D. She wants him to go and play with it.
- E. She thinks he is just making it up.

6. Why are the words "*You're not scary at all*" (line 14) written in italics?

- A. It shows the character is speaking.
- B. It is the title of the story.
- C. It shows the character is thinking something.
- D. It shows information not crucial to the story.
- E. It shows the character is shouting.

Continue to the next page

7. What makes Charlie think the dragon can understand English?

- A. It speaks to him in English.
- B. It nods when he asks it a question.
- C. It is an English dragon.
- D. He lets it borrow a dictionary.
- E. It writes down the answers to his questions.

8. Why does Charlie end up on the dragon's back?

- A. He thinks it looks comfortable.
- B. He always wanted to sit on a dragon.
- C. He is scared he will be in trouble because of his PE kit.
- D. The dragon lifts Charlie up with its wings.
- E. He wants to see over the garden fence.

9. Why did the dragon fly away with Charlie?

- A. It was scared by his mum coming outside.
- B. It wanted to take him to school.
- C. It was feeling mischievous.
- D. It was going to show him its treasure.
- E. It forgot he was on its back.

10. What is the most likely emotion Charlie's mum feels at the end of the story?

- A. Relief.
- B. Amusement.
- C. Annoyance.
- D. Concern.
- E. Apathy.

11. What is the meaning of the word 'hulking' (line 15)?

- A. Green.
- B. Large.
- C. Angry.
- D. Small.
- E. Scaly.

12. What is the meaning of the word 'vibrant' (line 33)?

- A. Vibrating.
- B. Bright.
- C. Dull.
- D. Distant.
- E. Cloudy.

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 the questions below, a different code is required for each question. It is necessary to work out the correct code for the first part of the question and then find the answer to the second part. Mark the answer on the answer sheet. The alphabet above is to help you with these questions.

Example: If the code for **SEAL** is **UGCN**, what is the code for **CALF**?

Answer: **ECNH**

13. If the code for **HAPPY** is **GYMLT**, what is the code for **MOONS**?

14. If the code for **FLAME** is **HNCOG**, what does **NKIJV** mean?

15. If the code for **GREAT** is **IPGYV**, what is the code for **AMAZE**?

16. If the code for **CREAM** is **XIVZN**, what is the code for **STAIR**?

17. If the code for **BONE** is **CQQI**, what does **UGVX** mean?

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)

18. spoon ants

19. stake coat

20. flown moth

21. proud form

22. drift men

Continue to the next page

In each question below, the equations must balance. Find the number that will correctly complete the sum and mark it on your answer sheet.

Example: $9 + 6 = 22 - [?]$

Answer: 7

23. $9 \times 2 - 5 = 6 \times 2 + [?]$

24. $20 + 6 - 8 = 48 \div 4 + [?]$

25. $35 \div 7 + 11 = 36 \div 6 + [?]$

26. $20 \div 4 \times 9 = 3 \times 12 + [?]$

27. $66 \div 11 = 1 + [?]$

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

28. Five friends run in a 100m race on their school's sports day. Billy finishes in 3rd place. Dinesh finished 5 seconds faster than Amy. Carlton finished after Emma but before Billy. Emma finished the race in 15 seconds.

Who finished in last place?

- A: Amy
- B: Billy
- C: Carlton
- D: Dinesh
- E: Emma

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, 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.

29.



A

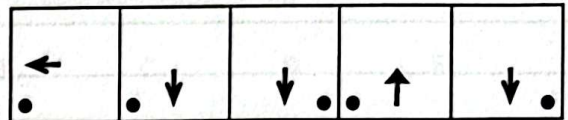
B

C

D

E

30.



A

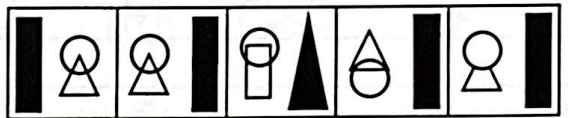
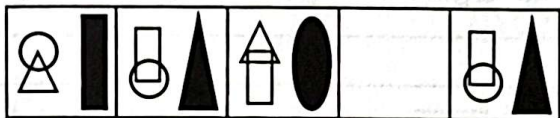
B

C

D

E

31.



A

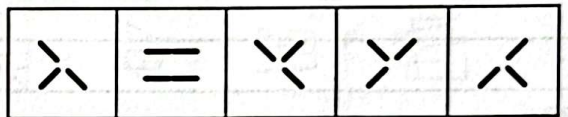
B

C

D

E

32.



A

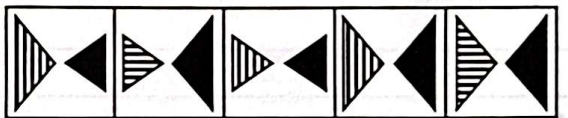
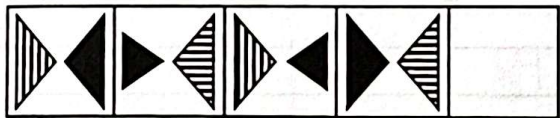
B

C

D

E

33.



A

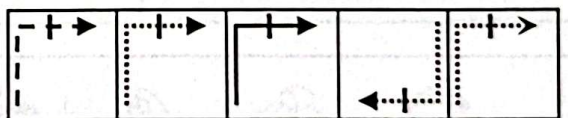
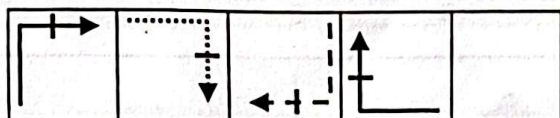
B

C

D

E

34.



A

B

C

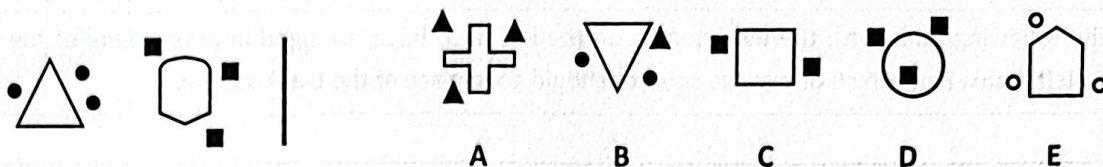
D

E

Continue to the next page

In the following questions, find the shape on the right which is most similar to the two on the left.

35.



A

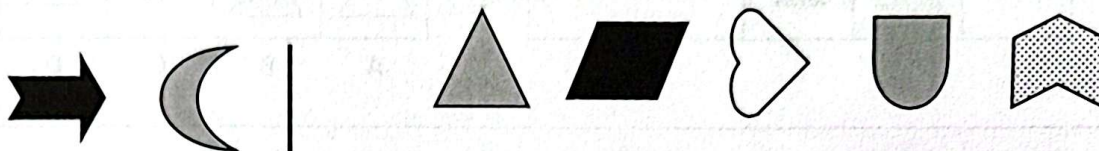
B

C

D

E

36.



A

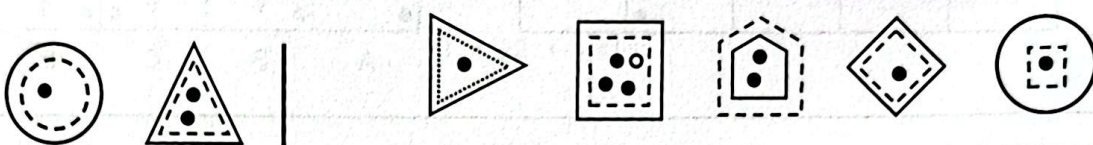
B

C

D

E

37.



A

B

C

D

E

38.



A

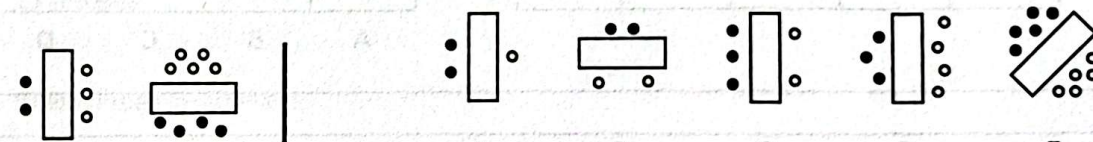
B

C

D

E

39.



A

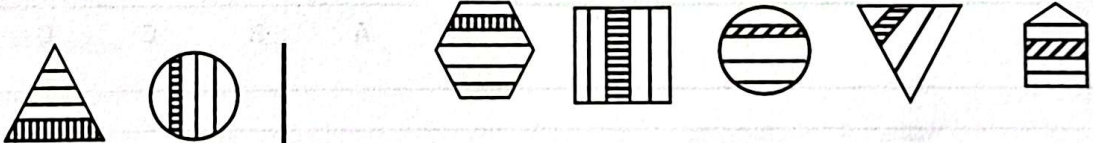
B

C

D

E

40.



A

B

C

D

E

Continue to the next page

In the following questions, the shape on the left is hidden in one of the images on the right. The shape has not been rotated or flipped and the size is the same.

41.



A



B



C



D



E

42.



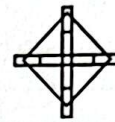
A



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



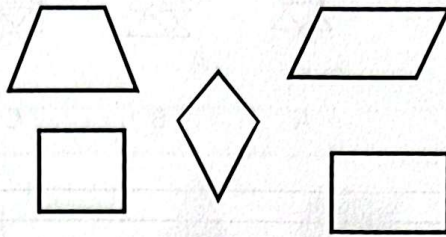
E

Wait here until you are told to continue

Section 4 – Maths

YOU HAVE 19 MINUTES TO COMPLETE THIS SECTION

47. How many of the shapes below have no rotational symmetry?



A: 1

B: 2

C: 3

D: 4

E: 5

48. How many factors does 48 have?

A: 10

B: 8

C: 7

D: 9

E: 6

49. For which of the below statements do we not know the exact probability of the event occurring?

A: Rolling a 6 on a six-sided dice.

B: Picking an ace from a pack of 52 standard playing cards.

C: Getting tails after flipping a coin.

D: The weather being sunny all week.

E: Drawing a red cube from a bag containing 8 blue cubes and 7 yellow cubes.

50. Emma has two watches that cost her £379 together. One watch was £82 more than the other one. How much did the cheapest watch cost?

A: £230.50

B: £171.50

C: £148.50

D: £198.50

E: £297.00

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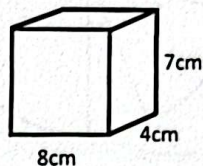
51. Ava runs a newsagents. She sells £3,244 of products in January. Her profit is 15% of this amount. How much profit did she make in January?

A: £292.20 B: £486.60 C: £645.45 D: £702.90 E: £526.80

52. Phillip has a dairy farm with 144 cows. The proportion of red cows on the farm is $\frac{3}{48}$. How many of the cows are red?

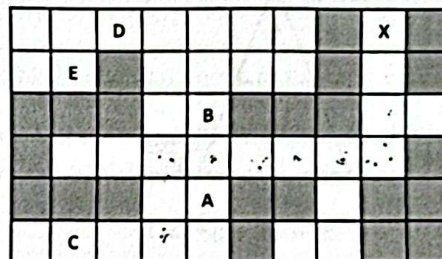
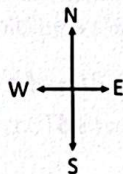
A: 9 B: 12 C: 7 D: 6 E: 3

53. What is the volume of the cuboid?



A: 186cm^3 B: 332cm^3 C: 116cm^3 D: 224cm^3 E: 336cm^3

- 54.



Sarah has an allotment where she grows her own vegetables. She starts at point X facing south and walks following the directions to reach her allotment.

Forward 3, turn right.

Forward 5, turn right.

Forward 3, turn left.

Forward 2, turn left.

Forward 1.

Which letter represents Sarah's allotment?

Continue to the next page

55. In the correct order, which numbers are missing from the sequence below?

1.5, 3, ?, 12, 24, ?, 96

A: 6 and 48

B: 8 and 24

C: 4 and 36

D: 6 and 42

E: 9 and 30

56. Which of the answers is closest in value to 8?

A: 8.04

B: 8.136

C: 7.965

D: 7.88

E: 8.2

57. $9x - 2 = 3x + 46$

What is the value of x ?

A: 5

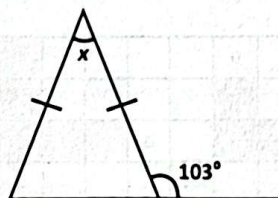
B: 12

C: 6

D: 8

E: 3

58. The diagram shows an isosceles triangle.



What is the size of angle x ?

A: 77°

B: 46°

C: 26°

D: 82°

E: 52°

59. Antonia has five pencils. They are red, blue, green, yellow and brown. She has a matching rubber for each pencil that is the same colour. The rubbers can be removed and combined with any of the other pencils. She combines the rubbers and pencils at random.

How many combinations can she make?

A: 20

B: 25

C: 35

D: 5

E: 10

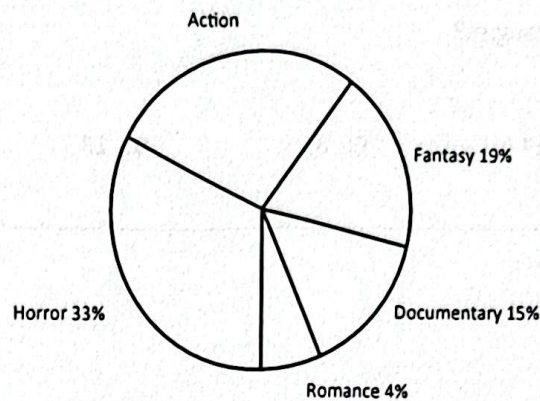
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60. Mike is tiling a wall that is 1.95m high. Each tile is 20cm x 20cm. He lays the tiles above each other with no gaps. He needs to cut the last tile to make it fit.

How much will he need to cut off the last tile?

A: 10cm B: 9cm C: 15cm D: 3cm E: 5cm

61. The pie chart shows the favourite film genre of pupils in year 6.



What is the modal genre of film?

A: Action B: Fantasy C: Horror D: Romance E: Documentary

62. Adam is holding a sleepover at his house and needs to buy a few things for it.
He needs to buy 15 sandwiches at a pence each, 8 paper cups at b pence each, and two packs of biscuits at c pence each. The total cost (T) can be found using the equation:

$$T = 15a + 8b + 2c$$

The shop he visits sells sandwiches for 50p, paper cups for 10p and packs of biscuits for 99p.

What is the total cost in pounds?

A: £9.58 B: £7.48 C: £8.88 D: £10.28 E: £11.38

63. What is the answer to $4\frac{3}{8} - 2\frac{3}{4}$ as a mixed number?

A: $1\frac{5}{8}$ B: $2\frac{1}{8}$ C: $1\frac{3}{8}$ D: $1\frac{7}{8}$ E: $2\frac{3}{8}$

Continue to the next page

64. The sum of the first four square numbers is 30.

What is the sum of the next four square numbers?

A: 164

B: 159

C: 174

D: 143

E: 168

65. There are 40 shapes in a bag. 25% of the shapes are triangles. $\frac{1}{8}$ of the shapes are circles and 0.3 of the shapes are squares. The rest of the shapes are rectangles.

How many shapes are rectangles?

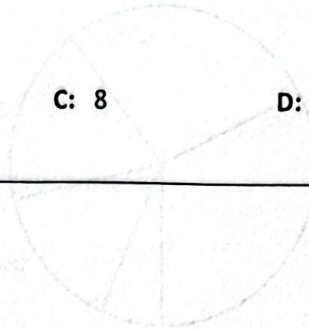
A: 13

B: 14

C: 8

D: 18

E: 4



END OF TEST