

تمام حقوق محفوظ است. هیچ بخشی از این کتاب نمی‌تواند بدون کسب اجازه‌ی کتبی از نویسنده یا ناشر در هر شکل و با هر وسیله‌ای، تولید، نسخه‌برداری، انتشار، فروش یا توزیع شود.

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Question 1

Correct answer

Score 100.00 out of 100.00

If it is true that:

- Alma and Bice love the singer Jo-Jo
- the singer Jo-Jo loves the Neapolitans
- the Neapolitans love the sun

then it is certain that:

- ☒ (A) of the answers (a), (b), (c), (d), (e), at least two are false ✓
- ☐ (B) the Neapolitans love Alma and Bice
- ☐ (C) the sun loves singer Jo-Jo
- ☐ (D) the Neapolitans love the singer Jo-Jo
- ☐ (E) Alma and Bice don't like the sun

The correct answer is: of the answers (a), (b), (c), (d), (e), at least two are false

Question 2

Correct answer

Score 100.00 out of 100.00

If in a car race

- Graham arrives before Carlos
- Carlos arrives before Daniel
- Leon arrives before Graham

which of these statements is NOT correct?

- ☒ (A) Graham arrives after Daniel ✓
- ☐ (B) Leon is the first to arrive
- ☐ (C) Graham is not the latest arrival
- ☐ (D) Daniel is the latest arrival
- ☐ (E) The order of arrival does not correspond to the alphabetical order of the drivers

The correct answer is: Graham comes after Daniel

Question 3

Wrong answer

Score -25.00 out of 100.00

Anna, Bruno, Carlo and Daniela are considering whether to leave for Cortina next weekend.

We know that:

- if Carlo leaves, Daniela leaves too
- if Anna does not leave, Daniela does not leave too
- if Anna leaves, also Bruno leaves.

Which of the following statements can be deduced?

- ☐ (A) If Anna leaves, Carlo also leaves
- ☐ (B) They all leave
- ☐ (C) If Bruno does not leave, Carlo does not leave either
- ☐ (D) Nobody leaves
- ☒ (E) Anna and Bruno leave ✗

The correct answer is: If Bruno doesn't leave, Carlo won't leave either

Question 4

Correct answer

Score 100.00 out of 100.00

On the dial of a clock, somewhat strange, the hours are numbered from 1 to 12; the shorter and longer hands mark both 12 at this time. The shorter hand moves clockwise by 2 numbers per hour while the long hand moves counterclockwise by 5 numbers every hour. What time will it be when the two hands mark the same number again?

- ☐ (A) The hands will never mark the same number again
- ☐ (B) 6 o'clock
- ☒ (C) 12 o'clock ✓
- ☐ (D) 8 o'clock
- ☐ (E) Le 2

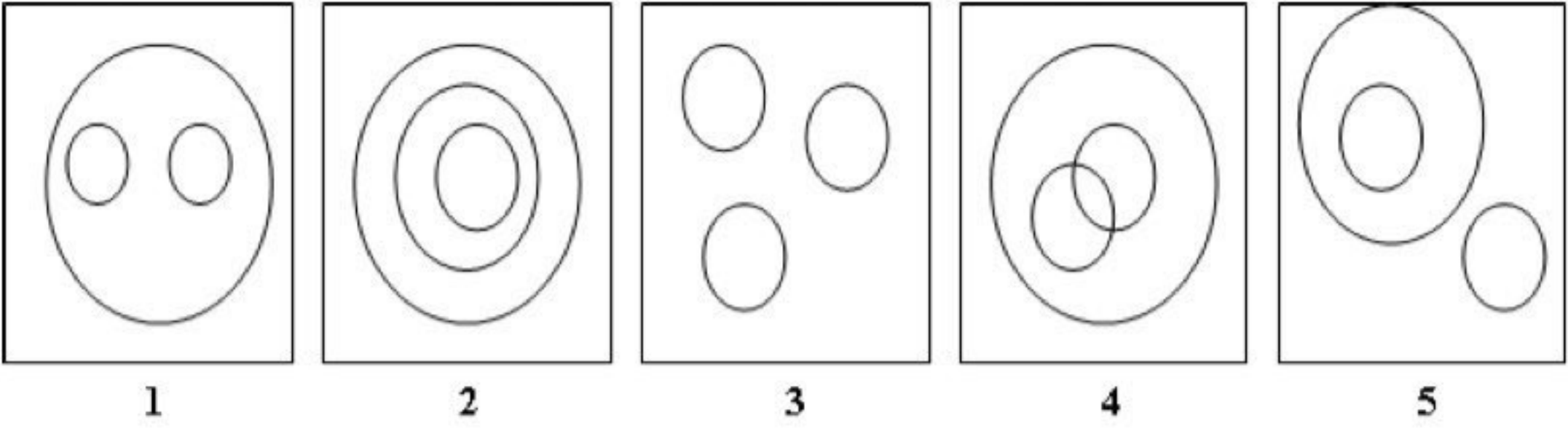
The correct answer is: 12 o'clock

Question 5

Correct answer

Score 100.00 out of 100.00

Which of these diagrams represents the correct relationship between:
MATHEMATICS - GEOMETRY - PHYSICS



- ☐ (A) Figure 3
- ☐ (B) Figure 2
- ☐ (C) Figure 1
- ☐ (D) Figure 4
- ☒ (E) Figure 5 ✓

The correct answer is: Figure 5

Question 6

Wrong answer

Score -25.00 out of 100.00

The integers a, b, c, d , satisfy the following conditions:
 $a = b + 1$
 $b = c - 2$
 $c = d + 4$
 $e = d + 2$

Which of the following statements is FALSE?

- ☐ (A) $a < c$
- ☐ (B) $d < b < c$
- ☒ (C) $b = e$ ✗
- ☐ (D) $d < e$
- ☐ (E) $d > a$

The correct answer is: $d > a$

Training test

Started	Tuesday, March 31 2020, 1:08 pm
State	Completed
terminated	Tuesday, March 31 2020, 1:14 pm
The time spent on	5 min 43 seconds
Score	600.00 / 600.00
Rating	6.00 out of a maximum of 6.00 (100 %)

Question 1

Correct answer

Score 100.00 out of 100.00

If it is true that:
- All engineers are made for logic
- Asdrubale is an engineer
- Who is made for logic has a soft spot for scooters
which of the following statements is definitely NOT true?

- ☐ (A) There is no denying that Asdrubale has a soft spot for scooters
- ☐ (B) All engineers have a soft spot for scooters
- ☐ (C) Asdrubale has all the requirements to be a good logician
- ☒ (D) Who is brought for logic is an engineer ✓
- ☐ (E) Asdrubale is a deep thinker and has a soft spot for scooters

The correct answer is: Who is well versed in logic is an engineer

Question 2

Correct answer

Score 100.00 out of 100.00

A firm is based in a building in which it has 18 offices spread over 5 floors, with at least one office per floor.
Which of the following statements is always true (regardless of the distribution of offices between floors)?

- ☒ (A) If there is a plan with six offices, another exists with at least three ✓
- ☐ (B) There are certainly two floors with at least three offices each
- ☐ (C) If there is a plan with two offices, another exists with at least five
- ☐ (D) There are certainly at least two floors with at most three offices each
- ☐ (E) If there is a plan with only one office, there is another with at least seven

The correct answer is: If there is a plan with six offices, there is another with at least three

Question 3

Correct answer

Score 100.00 out of 100.00

The integers a, b, c, d , satisfy the following conditions:

$$a = b + 1$$

$$b = c - 2$$

$$c = d + 4$$

$$e = d + 2$$

Which of the following statements is TRUE?

- ☐ (A) The order is alphabetical
- ☐ (B) $d > a$
- ☐ (C) $a > b$
- ☐ (D) $a < c < b$
- ☒ (E) $e = b$ ✓

The correct answer is: $e = b$

Question 4

Correct answer

Score 100.00 out of 100.00

On the dial of a clock, somewhat strange, the hours are numbered from 1 to 12; the shorter and longer hands mark both 12 at this time. The shorter hand moves clockwise by 2 numbers per hour while the long hand moves counterclockwise by 5 numbers every hour. What time will it be when the two hands mark the same number again?

- ☐ (A) 8:00
- ☐ (B) The hands will never mark the same number again
- ☐ (C) 2
- ☐ (D) 6 o'clock
- ☒ (E) 12 o'clock ✓

The correct answer is: 12 o'clock

Question 5

Correct answer

Score 100.00 out of 100.00

Five books, identified with the abbreviations An-Bo-Ch-Di-EI, are stacked in descending alphabetical order (ie with the book An at the top and the book EI at the bottom).

The last three books from the bottom are simultaneously removed and placed on top, maintaining their vertical order. If you repeat this procedure two more times, which book will end exactly at the bottom of the pile?

- ☐ (A) The book Bo
- ☐ (B) The book Ch
- ☐ (C) The book EI
- ☐ (D) The book Di
- ☒ (E) The book An ✓

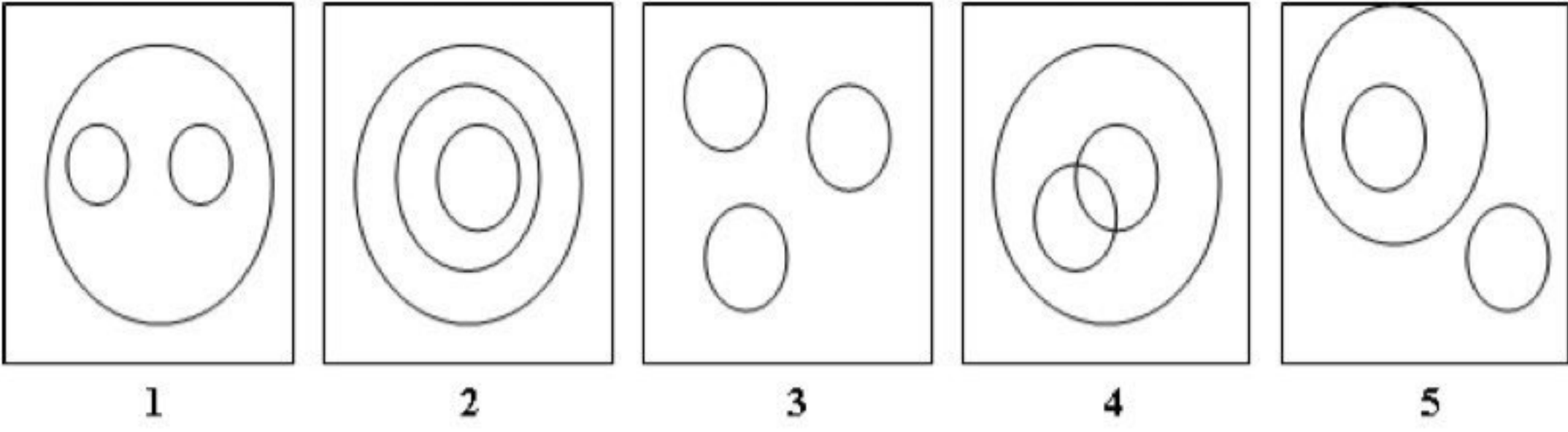
The correct answer is: The book An

Question 6

Correct answer

Score 100.00 out of 100.00

Which of these diagrams represents the correct relationship between:
SQUARES - RECTANGLES - PARALLELOGRAMS



- ☐ (A) Figure 5
- ☒ (B) Figure 2 ✓
- ☐ (C) Figure 1
- ☐ (D) Figure 3
- ☐ (E) Figure 4

The correct answer is: Figure 2

Training test

Started	Friday, March 27 2020, 6:37 PM
State	Completed
terminated	Friday, March 27 2020, 6:45 pm
The time spent on	7 mins 35 seconds
Score	475.00 / 600.00
Rating	4.75 out of a maximum of 6.00 (79 %)

Question 1

Correct answer

Score 100.00 out of 100.00

Which row of signs +, - in charge of the following numbers, gives the result +15?

12 9 42 42 18

- ☐ (A) + + - - +
- ☐ (B) - - - + +
- ☒ (C) - + - + + ✓
- ☐ (D) + - + - +
- ☐ (E) + + - + -

The correct answer is: - + - + +

Question 2

Correct answer

Score 100.00 out of 100.00

At a tango competition the 200 dancers wear the bodice and / or the rhinestone jacket. 114 dancers wear bodices, 156 wear rhinestone jackets. How many dancers wear only the bodice?

- ☒ (A) 44 ✓
- ☐ (B) 114
- ☐ (C) 72
- ☐ (D) 86
- ☐ (E) 42

The correct answer is: 44

Question 3

Wrong answer

Score -25.00 out of 100.00

A soccer team and a ski team were formed in one class. Some pupils practice only one sport, others both, others still none. Which of the following statements is certainly true?

- ☒ (A) The best footballer among skiers is also the best skier among footballers ❌
- ☐ (B) The worst skier among skiers is the best skier among footballers
- ☐ (C) If the oldest of the skiers does not play soccer, then the oldest of the skiers does not ski
- ☐ (D) If the best of the players does not ski, even the best of the skiers do not play football
- ☐ (E) The youngest among the skiers who practice skiing is also the youngest among the skiers who play football

The correct answer is: The youngest among the skiers who practice skiing is also the youngest among the skiers who play football.

Question 4

Correct answer

Score 100.00 out of 100.00

If it is true that:

- Alma and Bice love the singer Jo-Jo
- the singer Jo-Jo loves the Neapolitans
- the Neapolitans love the sun

then it is certain that:

- ☒ (A) of the answers (a), (b), (c), (d), (e), at least two are false ✔️
- ☐ (B) the sun loves singer Jo-Jo
- ☐ (C) Neapolitans love Alma and Bice
- ☐ (D) Alma and Bice don't like the sun
- ☐ (E) Neapolitans love the singer Jo-Jo

The correct answer is: of the answers (a), (b), (c), (d), (e), at least two are false

Question 5

Correct answer

Score 100.00 out of 100.00

In the municipality of Topolinia, the school regulations dictate that, if a school has more than 300 pupils, then it must have a gym and an infirmary. Since the rules are always respected in Topolinia, which of the following statements is necessarily true?

- ☐ (A) There is a school that has a gym and has no infirmary
- ☒ (B) If a school does not have a gym then it has a maximum of 300 pupils ✔️
- ☐ (C) If a school has an infirmary then it has over 300 pupils
- ☐ (D) If a school doesn't have a gym then it doesn't have an infirmary
- ☐ (E) If a school has a gym then it also has an infirmary

The correct answer is: If a school does not have a gym then it has a maximum of 300 pupils

Question 6

Correct answer

Score 100.00 out of
100.00

On the dial of a clock, somewhat strange, the hours are numbered from 1 to 12; the shorter and longer hands mark both 12 at this time. The shorter hand moves clockwise by 2 numbers per hour while the long hand moves clockwise by 3 numbers per hour. What time will it be when the two hands mark the same number again?

- ☐ (A) 6:00
- ☐ (B) 10am
- ☐ (C) 8am
- ☒ (D) 12 o'clock ✓
- ☐ (E) 4 o'clock

The correct answer is: 12 o'clock

Training test

Started	Sunday, March 22 2020, 4:49 pm
State	Completed
terminated	Sunday, March 22 2020, 5:01 pm
The time spent on	12 min 1 second
Score	500,00 / 600,00
Rating	5.00 out of a maximum of 6.00 (83 %)

Question 1

Correct answer

Score 100.00 out of 100.00

You are at Ipswich races and you are evaluating the prices of five horses that you could bet on. Find out that Aquarius is a winner compared to Bucifall but not to Diamond, and that Coccobill is listed less than Eclipse but more than Diamond. Since you trust quotes, which horse do you invest your capital on?

- ☐ (A) Bucifall
- ☐ (B) Aquarius
- ☐ (C) Diamond
- ☒ (D) Eclipse ✓
- ☐ (E) Coccobill

The correct answer is: Eclipse

Question 2

Correct answer

Score 100.00 out of 100.00

If it is true that:

- all engineering students are diligent
- Carletto is not diligent, while Gino is diligent
- Gino and Carletto go to the mountains together in winter

then it can be deduced that:

- ☐ (A) Gino and Carletto do not go to the mountains together in the summer
- ☐ (B) Gino is an engineering student
- ☒ (C) Carletto is not an engineering student ✓
- ☐ (D) Gino and Carletto do not study in winter
- ☐ (E) Carletto is not an engineering student and Gino is an engineering student

The correct answer is: Carletto is not an engineering student

Question 3

Correct answer

Score 100.00 out of 100.00

On the dial of a clock, somewhat strange, the hours are numbered from 1 to 12; the shorter and longer hands mark both 12 at this time. The shorter hand moves in a clockwise direction of 2 numbers every hour while the long hand moves in an anticlockwise direction of 3 numbers every hour. What time will it be when the two hands mark the same number again?

- ☐ (A) The 4
- ☒ (B) 12 o'clock ✓
- ☐ (C) 8am
- ☐ (D) 10am
- ☐ (E) Le 2

The correct answer is: 12 o'clock

Question 4

Correct answer

Score 100.00 out of 100.00

The integers a, b, c, d , satisfy the following conditions:

$$a = b + 1$$

$$b = c - 2$$

$$c = d + 4$$

$$e = d + 2$$

Which of the following statements is FALSE?

- ☒ (A) $d > a$ ✓
- ☐ (B) $d < e$
- ☐ (C) $d < b < c$
- ☐ (D) $b = e$
- ☐ (E) $a < c$

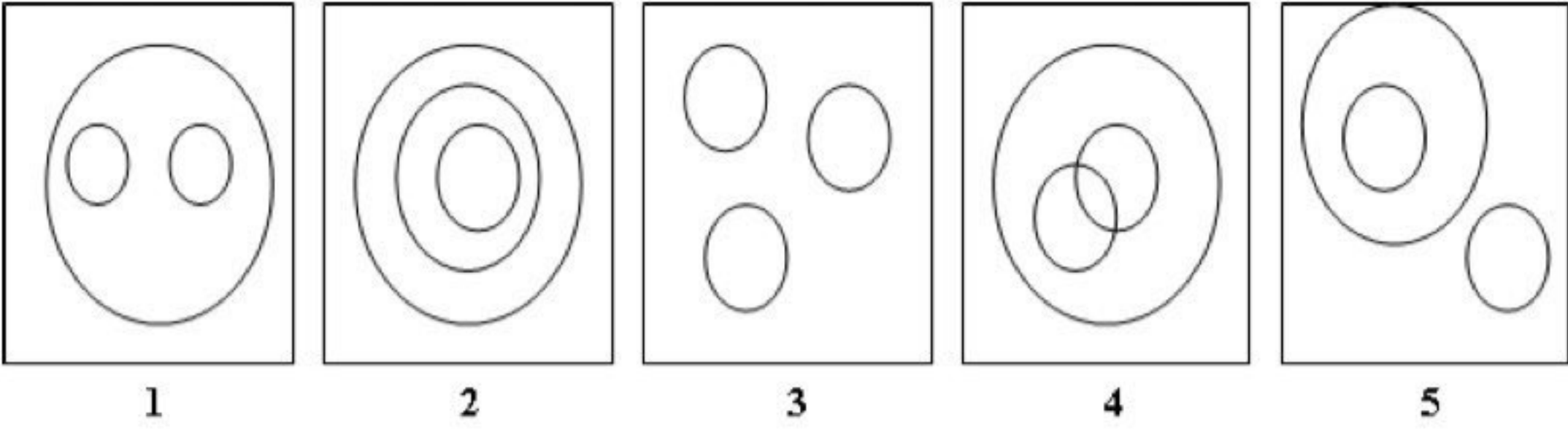
The correct answer is: $d > a$

Question 5

Correct answer

Score 100.00 out of 100.00

Which of these diagrams represents the correct relationship between:
EVEN NUMBERS - MULTIPLE OF 12 - MULTIPLE OF 6



- ☒ (A) Figure 2 ✓
- ☐ (B) Figure 5
- ☐ (C) Figure 3
- ☐ (D) Figure 1
- ☐ (E) Figure 4

The correct answer is: Figure 2

Question 6

Answer not given

Max score: 100.00

A school has 15 classrooms spread over 4 floors, with at least one classroom per floor.
Which of the following statements is always true (regardless of the distribution of classrooms between floors)?

- ☐ (A) There are at least two floors with at most three classrooms each
- ☐ (B) There are two floors with at least five classrooms each
- ☐ (C) If there is a plan with one classroom, there is another with at least six
- ☐ (D) If there is a plan with three classrooms, there is another with at least six
- ☐ (E) If there is a plan with two classrooms, there is another with at least five

The correct answer is: If there is a plan with two classrooms, there is another with at least five classrooms

Training test

Started	Tuesday, March 31 2020, 5:39 pm
State	Completed
terminated	Tuesday, March 31 2020, 5:50 PM
The time spent on	10 min 37 seconds
Score	600.00 / 600.00
Rating	6.00 out of a maximum of 6.00 (100 %)

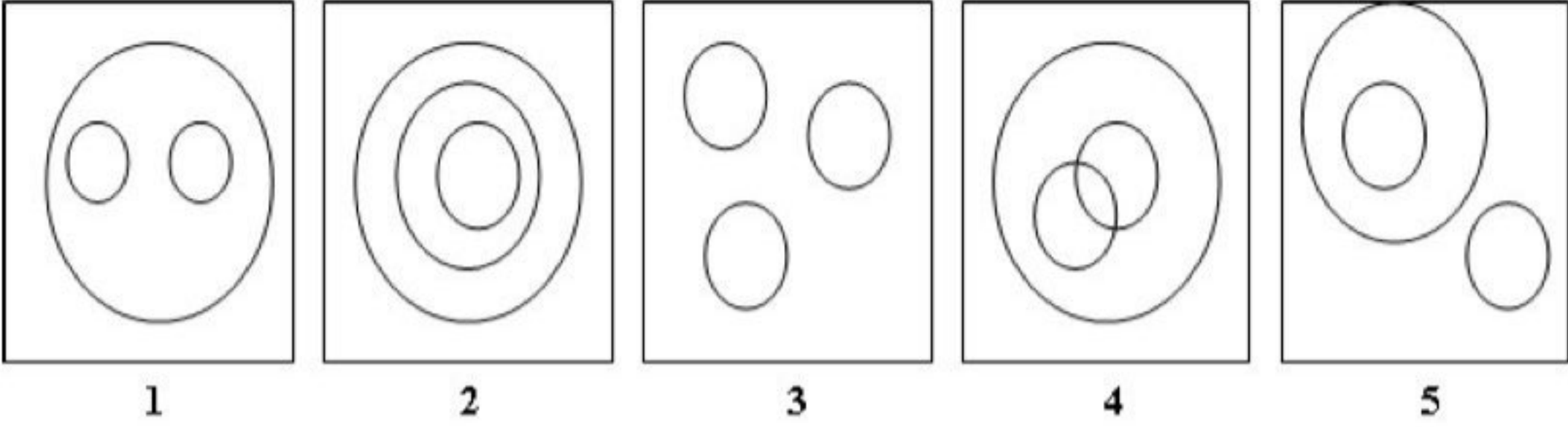
Question 1

Correct answer

Score 100.00 out of 100.00

Which of these diagrams represents the correct relationship between:

SQUARES - RECTANGLES - PARALLELOGRAMS



- ☐ (A) Figure 5
- ☐ (B) Figure 4
- ☒ (C) Figure 2 ✓
- ☐ (D) Figure 3
- ☐ (E) Figure 1

The correct answer is: Figure 2

Question 2

Correct answer

Score 100.00 out of
100.00

The integers a, b, c, d , satisfy the following conditions:

$$a = b + 1$$

$$b = c - 2$$

$$c = d + 4$$

$$e = d + 2$$

Which of the following statements is TRUE?

- ☐ (A) The order is alphabetical
- ☐ (B) $a > b$
- ☒ (C) $e = b$ ✓
- ☐ (D) $d > a$
- ☐ (E) $a < c < b$

The correct answer is: $e = b$

Question 3

Correct answer

Score 100.00 out of
100.00

The regulations of the Department of Mathematics foresee that each piece of furniture in the Department must bear an inventory number and the number of the room in which it is located. The Director has communicated that the regulation has NOT been respected. So necessarily:

- ☐ (A) in the Department of Mathematics no furniture has an inventory number and a room number
- ☐ (B) in the Department of Mathematics there is a piece of furniture with the wrong room number and inventory number
- ☐ (C) in the Department of Mathematics every piece of furniture if it bears the inventory number does not bear the room number
- ☐ (D) in the Department of Mathematics each piece of furniture, if it bears the room number, does not bear the inventory number
- ☒ (E) in the Department of Mathematics a piece of furniture was found which does not bear the inventory number or does not bear the room number ✓

The correct answer is: in the Department of Mathematics a piece of furniture was found that does not bear the inventory number or does not bear the room number

Question 4

Correct answer

Score 100.00 out of 100.00

If it is true that:

- Who eats veal or quail is not vegetarian
- Berengario is not vegetarian
- Who eats quail does not get the flu

which of the following conclusions is NOT correct?

- ☒ (A) It is impossible for Berengario to eat veal ✓
- ☐ (B) It is possible that Berengario will not eat veal
- ☐ (C) It is impossible for a vegetarian to eat veal
- ☐ (D) It is possible that Berengario does not catch the flu
- ☐ (E) It is possible that Berengario will eat veal

The correct answer is: It is impossible for Berengario to eat veal

Question 5

Correct answer

Score 100.00 out of 100.00

The four friends, Anita, Basilio, Carlo, Donato, discussing their finances, show that:

- Anita has less money than Carlo
- Basilio has less money than Carlo
- Carlo has more money than Donato
- Basilio has more money than Anita

Which among these statements is NOT necessarily correct?

- ☐ (A) Basilio is not the one who has the least money
- ☐ (B) Donato has less money than Carlo
- ☐ (C) The one who has the most money of all is Carlo
- ☐ (D) The alphabetical order of their names does not correspond to the order of their cash capital
- ☒ (E) Anita is the one who has the least money of all ✓

The correct answer is: Anita is the one who has the least money of all

Question 6

Correct answer

Score 100.00 out of 100.00

If the product of fifteen whole numbers is positive, then you can be absolutely sure that:

- ☒ (A) there is an odd number of positive integers ✓
- ☐ (B) an integer is positive and the others are negative
- ☐ (C) seven integers are positive and the others are negative
- ☐ (D) there is at least a pair of negative integers
- ☐ (E) the number of negative integers is equal and not zero

The correct answer is: there is an odd number of positive integers

Training test

Started	Wednesday, March 18 2020, 2:42 PM
State	Completed
terminated	Wednesday, March 18 2020, 2:49 pm
The time spent on	7 mins 7 seconds
Score	475.00 / 600.00
Rating	4.75 out of a maximum of 6.00 (79 %)

Question 1

Correct answer

Score 100.00 out of 100.00

You are at Ipswich races and you are evaluating the prices of five horses that you could bet on. Find out that Aquarius is a winner compared to Bucifall but not to Diamond, and that Coccobill is listed less than Eclipse but more than Diamond. Since you trust quotes, which horse do you invest your capital on?

- ☐ (A) Coccobill
- ☐ (B) Aquarius
- ☐ (C) Bucifall
- ☐ (D) Diamond
- ☒ (E) Eclipse ✓

The correct answer is: Eclipse

Question 2

Wrong answer

Score -25.00 out of 100.00

In the municipality of Topolinia, the school regulations dictate that, if a school has more than 300 pupils, then it must have a gym and an infirmary. A reporter found that this rule was NOT respected in Topolinia. Therefore necessarily in Topolinia:

- ☐ (A) there is a school that has more than 300 pupils and has no gym or an infirmary
- ☐ (B) no school has a gym and an infirmary
- ☐ (C) if a school has an infirmary then it has fewer than 300 pupils
- ☐ (D) if a school has a gym then it has no infirmary
- ☒ (E) there is a school that has a gym and has no infirmary ✗

The correct answer is: there is a school that has more than 300 pupils and does not have a gym or an infirmary

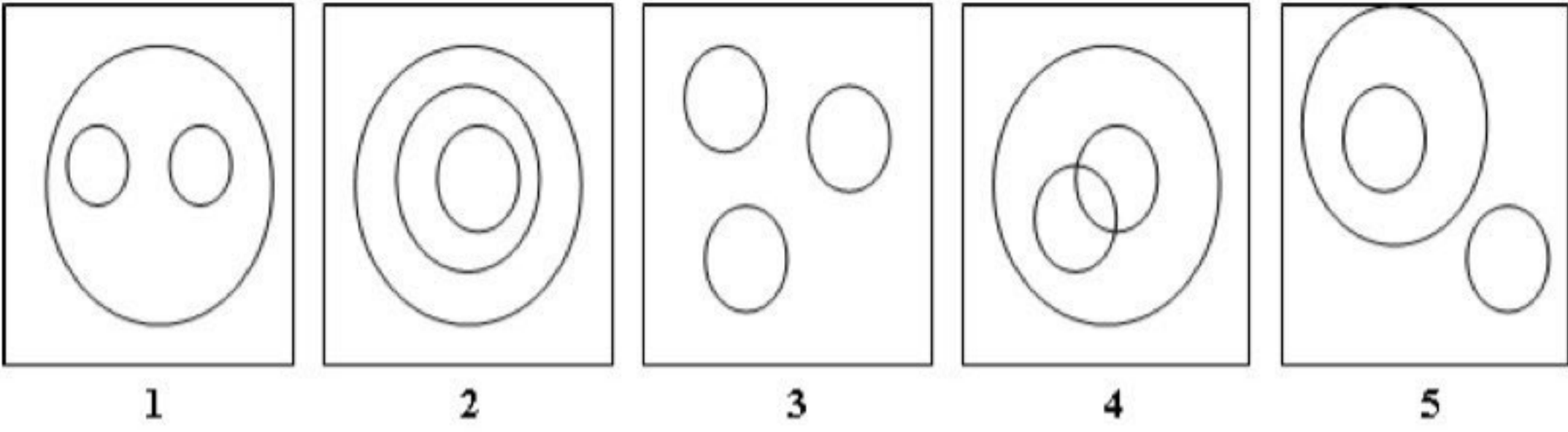
Question 3

Correct answer

Score 100.00 out of 100.00

Which of these diagrams represents the relationship between:

Even Numbers - Integers - Prime numbers



- ☒ (A) Figure 4 ✓
- ☐ (B) Figure 1
- ☐ (C) Figure 5
- ☐ (D) Figure 3
- ☐ (E) Figure 2

The correct answer is: Figure 4

Question 4

Correct answer

Score 100.00 out of 100.00

On the dial of a clock, somewhat strange, the hours are numbered from 1 to 12; the shorter and longer hands mark both 12 at this time. The shorter hand moves clockwise by 2 numbers per hour while the long hand moves clockwise by 3 numbers per hour. After how many hours will the two hands mark the same number again?

- ☐ (A) 19 hours
- ☐ (B) 8 hours
- ☐ (C) The hands will never mark the same number again
- ☒ (D) 12 hours ✓
- ☐ (E) 15 hours

The correct answer is: 12 hours

Question 5

Correct answer

Score 100.00 out of 100.00

Which row of signs +, - in charge of the following numbers, gives the result +15?

12 9 42 42 18

- ☐ (A) + + - + -
- ☐ (B) - - - + +
- ☒ (C) - + - + + ✓
- ☐ (D) + - + - +
- ☐ (E) + + - - +

The correct answer is: - + - + +

Question 6

Correct answer

Score 100.00 out of 100.00

If it is true that:
- Alma and Bice love the singer Jo-Jo
- the singer Jo-Jo loves the Neapolitans
- the Neapolitans love the sun
then it is certain that:

- ☐ (A) Neapolitans love Alma and Bice
- ☒ (B) among the answers (a), (b), (c), (d), (e), at least two are false ✓
- ☐ (C) Alma and Bice don't like the sun
- ☐ (D) the sun loves singer Jo-Jo
- ☐ (E) Neapolitans love the singer Jo-Jo

The correct answer is: of the answers (a), (b), (c), (d), (e), at least two are false

Training test

Started	Monday, March 16 2020, 10:51 am
State	Completed
terminated	Monday, March 16 2020, 10:58
The time spent on	6 min 18 seconds
Score	600.00 / 600.00
Rating	6.00 out of a maximum of 6.00 (100 %)

Question 1

Correct answer

Score 100.00 out of 100.00

Five books, identified with the abbreviations An-Bo-Ch-Di-EI, are stacked in descending alphabetical order (ie with the book An at the top and the book EI at the bottom). The last three books from the bottom are simultaneously removed and placed on top, maintaining their vertical order. If you repeat this procedure two more times, which book will end exactly at the bottom of the pile?

- ☐ (A) The book EI
- ☐ (B) The book Bo
- ☐ (C) The book Ch
- ☒ (D) The book An ✓
- ☐ (E) The book Di

The correct answer is: The book An

Question 2

Correct answer

Score 100.00 out of 100.00

If it is true that:

- those who love sports love football
- all young people love sports
- Anita loves sports

then it is certain that:

- ☐ (A) Anita is young
- ☐ (B) it is not sure that Anita loves football
- ☒ (C) Anita loves football ✓
- ☐ (D) those who love sports are young
- ☐ (E) Anita is not young

The correct answer is: Anita loves football

Question 3

Correct answer

Score 100.00 out of 100.00

Which row of signs +, - in charge of the following numbers, gives the result +15?

12 9 42 42 18

- ☒ (A) - + - + + ✓
- ☐ (B) + - + - +
- ☐ (C) + + - - +
- ☐ (D) + + - + -
- ☐ (E) - - - + +

The correct answer is: - + - + +

Question 4

Correct answer

Score 100.00 out of 100.00

If the product of fifteen whole numbers is positive, then you can be absolutely sure that:

- ☐ (A) there is at least a pair of negative integers
- ☒ (B) there is an odd number of positive integers ✓
- ☐ (C) the number of negative integers is equal and not zero
- ☐ (D) seven integers are positive and the others are negative
- ☐ (E) an integer is positive and the others are negative

The correct answer is: there is an odd number of positive integers

Question 5

Correct answer

Score 100.00 out of
100.00

At a tango competition the 200 dancers wear the bodice and / or the rhinestone jacket. 114 dancers wear bodices, 156 wear rhinestone jackets. How many dancers wear only the bodice?

- ☐ (A) 86
- ☐ (B) 42
- ☐ (C) 72
- ☒ (D) 44 ✓
- ☐ (E) 114

The correct answer is: 44

Question 6

Correct answer

Score 100.00 out of
100.00

Mom does not believe the evidence that denies that Anna ate the chocolate, but has no evidence to the contrary.

We deduce from this that:

- ☐ (A) if someone ate the chocolate, it wasn't Anna
- ☐ (B) mom has proof that Anna hasn't eaten chocolate
- ☐ (C) Anna ate 99% chocolate
- ☒ (D) mom has no proof that Anna has eaten chocolate ✓
- ☐ (E) Anna has certainly eaten chocolate

The correct answer is: mom has no proof that Anna has eaten chocolate

Training test

Started	Sunday, March 15 2020, 5:52 pm
State	Completed
terminated	Sunday, March 15 2020, 5:56 pm
The time spent on	4 min 32 seconds
Score	600.00 / 600.00
Rating	6.00 out of a maximum of 6.00 (100 %)

Question 1

Correct answer

Score 100.00 out of 100.00

If in a car race

- Graham arrives before Carlos
- Carlos arrives before Daniel
- Leon arrives before Graham

which of the following is the correct order of arrival?

- ☒ (A) Leon - Graham - Carlos - Daniel ✓
- ☐ (B) Carlos - Daniel - Graham - Leon
- ☐ (C) Leon - Carlos - Daniel - Graham
- ☐ (D) Daniel - Graham - Carlos - Leon
- ☐ (E) Graham - Carlos - Daniel - Leon

The correct answer is: Leon - Graham - Carlos - Daniel

Question 2

Correct answer

Score 100.00 out of 100.00

The regulations of the Department of Mathematics foresee that each piece of furniture in the Department must bear an inventory number and the number of the room in which it is located. The Director has communicated that the regulation has NOT been respected. So necessarily:

- ☐ (A) in the Department of Mathematics there is a piece of furniture with the wrong room number and inventory number
- ☐ (B) in the Department of Mathematics every piece of furniture if it bears the room number does not bear the inventory number
- ☒ (C) in the Department of Mathematics a piece of furniture was found which does not bear the inventory number or does not bear the room number ✓
- ☐ (D) in the Department of Mathematics no furniture has an inventory number and a room number
- ☐ (E) in the Department of Mathematics every piece of furniture if it bears the inventory number does not bear the room number

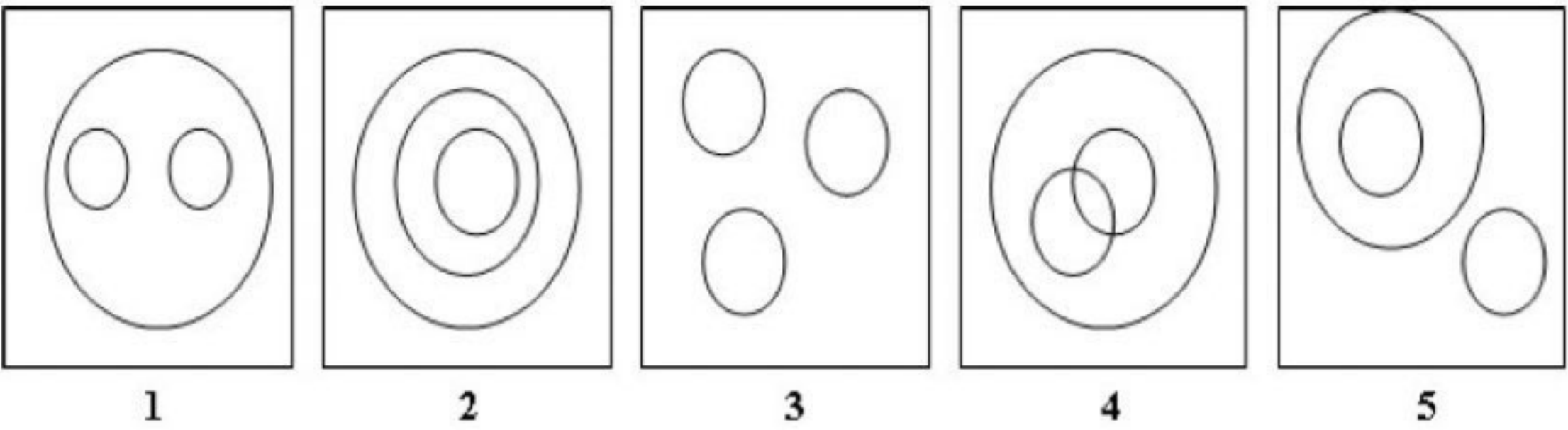
The correct answer is: in the Department of Mathematics a piece of furniture was found that does not bear the inventory number or does not bear the room number

Question 3

Correct answer

Score 100.00 out of 100.00

Which of these diagrams represents the correct relationship between:
MATHEMATICS - GEOMETRY - PHYSICS



- ☐ (A) Figure 4
- ☐ (B) Figure 1
- ☐ (C) Figure 3
- ☐ (D) Figure 2
- ☒ (E) Figure 5 ✓

The correct answer is: Figure 5

Question 4

Correct answer

Score 100.00 out of 100.00

On the dial of a clock, somewhat strange, the hours are numbered from 1 to 12; the shorter and longer hands mark both 12 at this time. The shorter hand moves clockwise by 2 numbers per hour while the long hand moves counterclockwise by 5 numbers every hour. What time will it be when the two hands mark the same number again?

- ☐ (A) 8:00
- ☒ (B) 12 o'clock ✓
- ☐ (C) Le 2
- ☐ (D) 6 o'clock
- ☐ (E) The hands will never mark the same number again

The correct answer is: 12 o'clock

Question 5

Correct answer

Score 100.00 out of 100.00

Which row of signs +, - in charge of the following numbers, gives the result +15?

12 9 42 42 18

- ☐ (A) - - - + +
- ☐ (B) + + - - +
- ☐ (C) + - + - +
- ☒ (D) - + - + + ✓
- ☐ (E) + + - + -

The correct answer is: - + - + +

Question 6

Correct answer

Score 100.00 out of 100.00

If it is true that:
- those who love sports love football
- all young people love sports
- Anita loves sports
then it is certain that:

- ☒ (A) Anita loves football ✓
- ☐ (B) it is not sure that Anita loves football
- ☐ (C) Anita is not young
- ☐ (D) Anita is young
- ☐ (E) those who love sports are young

The correct answer is: Anita loves football

Training test

Started	Wednesday, March 11 2020, 10:10 pm
State	Completed
terminated	Wednesday, March 11 2020, 10:22 pm
The time spent on	12 min
Score	350,00 / 600,00
Rating	3.50 out of a maximum of 6.00 (58 %)

Question 1

Correct answer

Score 100.00 out of 100.00

If:

- Carletto is a cow boy
- All cow boys listen to Mozart
- Who listens to Mozart does not connect to Facebook

which of the following statements is certainly true?

- ☒ (A) Carletto cannot be said not to listen to Mozart's music ✓
- ☐ (B) Carletto is strong but shy
- ☐ (C) Carletto prefers to listen to Mozart rather than connect to Facebook
- ☐ (D) Carletto occasionally connects to Facebook, but prefers to listen to Mozart
- ☐ (E) Carletto ignores the existence of Facebook

The correct answer is: Carletto cannot be said not to listen to Mozart's music

Question 2

Wrong answer

Score -25.00 out of 100.00

The integers a, b, c, d , satisfy the following conditions:

$$a = b + 1$$

$$b = c - 2$$

$$c = d + 4$$

$$e = d + 2$$

Which of the following statements is TRUE?

- ☐ (A) $a > b$
- ☐ (B) $a < c < b$
- ☐ (C) $e = b$
- ☐ (D) The order is alphabetical
- ☒ (E) $d > a$ ✖

The correct answer is: $e = b$

Question 3

Correct answer

Score 100.00 out of 100.00

On the dial of a clock, somewhat strange, the hours are numbered from 1 to 12; the shorter and longer hands mark both 12 at this time. The shorter hand moves clockwise by 2 numbers per hour while the long hand moves counterclockwise by 5 numbers every hour. What time will it be when the two hands mark the same number again?

- ☐ (A) 8:00
- ☒ (B) 12 o'clock ✔
- ☐ (C) The hands will never mark the same number again
- ☐ (D) 6 o'clock
- ☐ (E) Le 2

The correct answer is: 12 o'clock

Question 4

Wrong answer

Score -25.00 out of 100.00

In the municipality of Topolinia, the school regulations dictate that, if a school has more than 300 pupils, then it must have a gym and an infirmary. A reporter found that this rule was NOT respected in Topolinia. Therefore necessarily in Topolinia:

- ☐ (A) if a school has a gym then it has no infirmary
- ☐ (B) if a school has an infirmary then it has fewer than 300 pupils
- ☒ (C) there is a school that has a gym and has no infirmary ✖
- ☐ (D) no school has a gym and an infirmary
- ☐ (E) there is a school that has more than 300 pupils and has no gym or an infirmary

The correct answer is: there is a school that has more than 300 pupils and does not have a gym or an infirmary

Question 5

Correct answer

Score 100.00 out of 100.00

If in a car race

- Graham arrives before Carlos
- Carlos arrives before Daniel
- Leon arrives before Graham

which of the following is the correct order of arrival?

- ☒ (A) Leon - Graham - Carlos - Daniel ✓
- ☐ (B) Daniel - Graham - Carlos - Leon
- ☐ (C) Leon - Carlos - Daniel - Graham
- ☐ (D) Carlos - Daniel - Graham - Leon
- ☐ (E) Graham - Carlos - Daniel - Leon

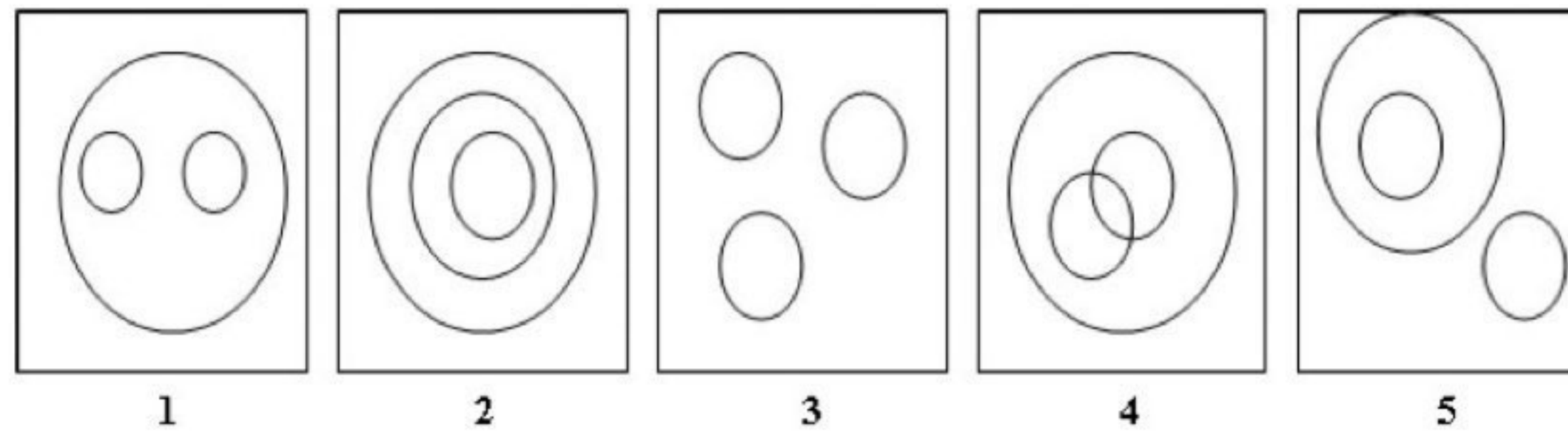
The correct answer is: Leon - Graham - Carlos - Daniel

Question 6

Correct answer

Score 100.00 out of 100.00

Which of these diagrams represents the correct relationship between:
PLAYERS - STUDENTS - MEN



- ☐ (A) Figure 3
- ☐ (B) Figure 5
- ☐ (C) Figure 1
- ☒ (D) Figure 4 ✓
- ☐ (E) Figure 2

The correct answer is: Figure 4

Training test

Started	Thursday, March 12 2020, 4:10 pm
State	Completed
terminated	Thursday, March 12 2020, 4:14 pm
The time spent on	3 min 41 seconds
Score	475.00 / 600.00
Rating	4.75 out of a maximum of 6.00 (79 %)

Question 1

Correct answer

Score 100.00 out of 100.00

If in a car race

- Graham arrives before Carlos
- Carlos arrives before Daniel
- Leon arrives before Graham

which of the following statements is correct?

- ☐ (A) The order of arrival corresponds to the alphabetical order of the drivers
- ☐ (B) Leon is the third to come
- ☒ (C) Graham arrives before Daniel ✓
- ☐ (D) Carlos arrives after Daniel
- ☐ (E) Carlos arrives before Graham

The correct answer is: Graham comes before Daniel

Question 2

Correct answer

Score 100.00 out of 100.00

Which row of signs +, - in charge of the following numbers, gives the result +16?

14 15 13 12 10

- ☐ (A) + + - - +
- ☐ (B) + - + - +
- ☐ (C) - - - + +
- ☒ (D) - + + + - ✓
- ☐ (E) + + - - -

The correct answer is: - + + + -

Question 3

Correct answer

Score 100.00 out of 100.00

If:

- Carletto is a cow boy
- All cow boys listen to Mozart
- Who listens to Mozart does not connect to Facebook

which of the following statements is certainly true?

- ☐ (A) Carletto prefers to listen to Mozart rather than connect to Facebook
- ☐ (B) Carletto is strong but shy
- ☐ (C) Carletto ignores the existence of Facebook
- ☐ (D) Carletto occasionally connects to Facebook, but prefers to listen to Mozart
- ☒ (E) Carletto cannot be said not to listen to Mozart's music ✓

The correct answer is: Carletto cannot be said not to listen to Mozart's music

Question 4

Correct answer

Score 100.00 out of 100.00

On the dial of a clock, somewhat strange, the hours are numbered from 1 to 12; the shorter and longer hands mark both 12 at this time. The shorter hand moves clockwise by 2 numbers per hour while the long hand moves counterclockwise by 5 numbers every hour. After how many hours will the two hands mark the same number again?

- ☐ (A) The hands will never mark the same number again
- ☒ (B) 12 hours ✓
- ☐ (C) 15 hours
- ☐ (D) 8 hours
- ☐ (E) 19 hours

The correct answer is: 12 hours

Question 5

Wrong answer

Score -25.00 out of 100.00

In the town of Tregatti a municipal rule states:

No inhabitant of Tregatti can own more than two dogs.

A careful investigation by the traffic police has allowed us to establish that this rule has NOT been respected. So necessarily:

- ☒ (A) there is an inhabitant of Tregatti who has three dogs ✖
- ☐ (B) there is a Tregatti inhabitant who has at least 3 dogs
- ☐ (C) the inhabitants of Tregatti either do not have dogs or have more than two
- ☐ (D) all inhabitants of Tregatti have more than two dogs
- ☐ (E) there is an inhabitant of Tregatti who has more than three dogs

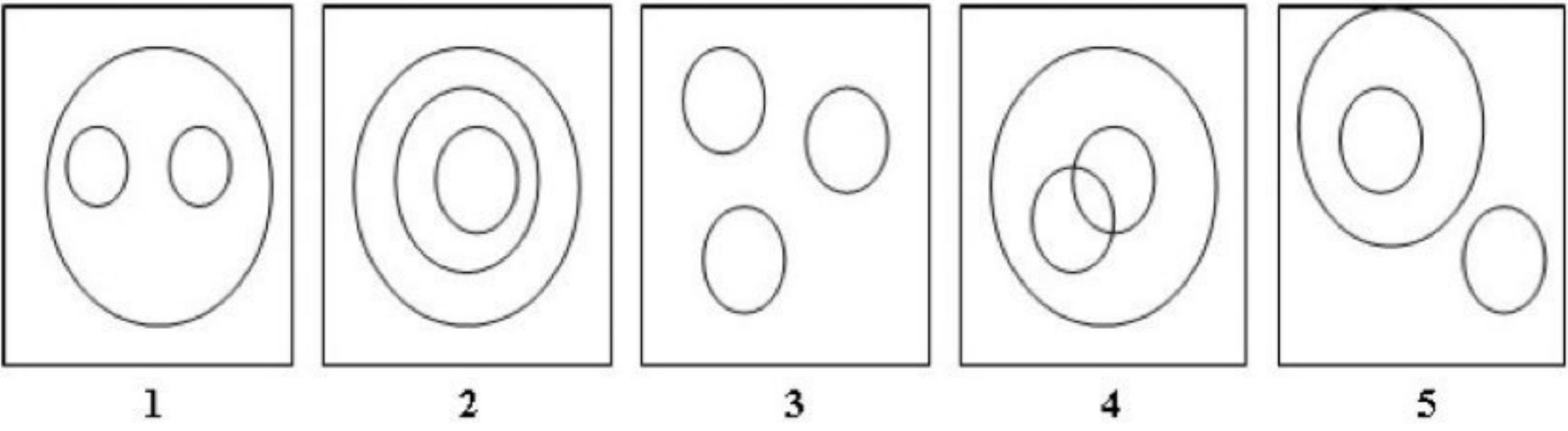
The correct answer is: there is a Tregatti inhabitant who has at least 3 dogs

Question 6

Correct answer

Score 100.00 out of 100.00

Which of these diagrams represents the correct relationship between:
EVEN NUMBERS - MULTIPLE OF 12 - MULTIPLE OF 6



- ☐ (A) Figure 5
- ☒ (B) Figure 2 ✔
- ☐ (C) Figure 3
- ☐ (D) Figure 4
- ☐ (E) Figure 1

The correct answer is: Figure 2

