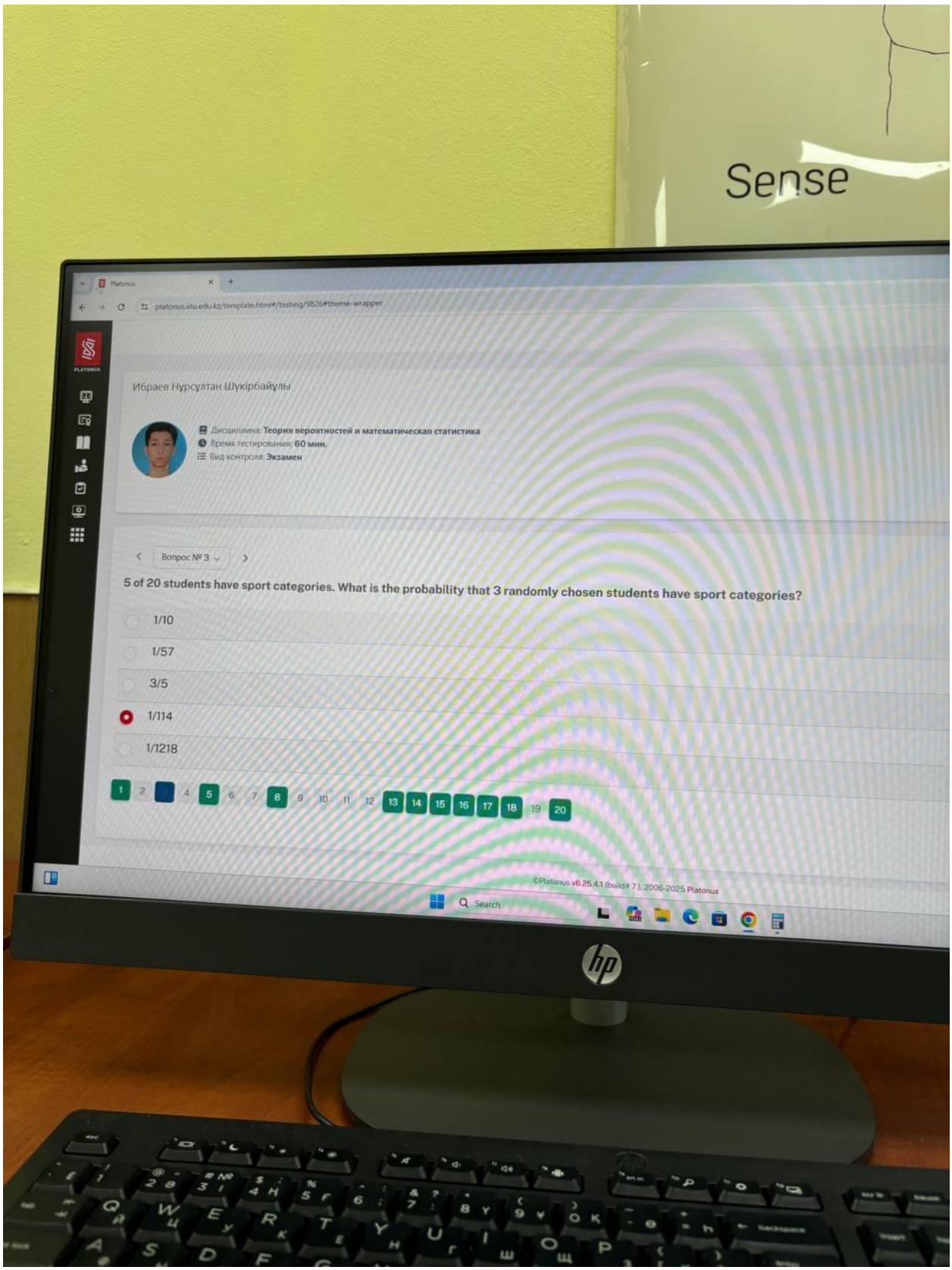
	ВОПРОС	ОТВЕТ
☐	Three students pass an exam. The probability that the exam will be passed on "excellent" by the first student is equal to 0,3; by the second – 0,7; and by the third – 0,8. What is the probability that the exam will be passed on "excellent" by neither of the students?	0,46
☐	10 of 20 savings banks are located behind a city boundary. 4 savings banks are randomly selected for an inspection. What is the probability that among the selected banks appears inside the city 2 savings banks?	0.5
☐	The probabilities that three men hit a target are respectively 1/3, 1/4 and 1/2. Each man shoots once at the target. What is the probability that exactly one of them hits the target?	3/4
☐	A problem in mathematics is given to three students whose chances of solving it are 1/3, 3/4, 3/5. What is the probability that the problem will be solved?	9/15
☐	The probability that a boy will not pass M.B.A. examination is 1/5 and that a girl will not pass is 3/5. Calculate the probability that at least one of them passes the examination.	16/25
☐	During the experiment the following results have been obtained: 10,20,30,40,50. Find the sample dispersion of obtained results from the experiment.	1000
☐	Find the coefficient of variation of the given distribution: <table><tr><th>x_i</th><th>n_i</th></tr><tr><td>2</td><td>1</td></tr><tr><td>4</td><td>7</td></tr><tr><td>5</td><td>2</td></tr></table>	15
☐	A discrete random variable X is given by the following law of distribution: <table><tr><td>X</td><td>0</td><td>1</td><td>2</td><td>3</td></tr><tr><td>P</td><td>0,4</td><td>0,2</td><td>0,2</td><td>0,2</td></tr></table> By the Chebyshev inequality estimate the probability that $\|X - M(X)\| < 2$.	1,36


Sense
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Ибраев Нурсұлтан Шүкірбайұлы
Дисциплина: Теория вероятностей и математическая статистика
Время тестирований: 60 мин.
Вид контроля: Экзамен
Вопрос № 3
5 of 20 students have sport categories. What is the probability that 3 randomly chosen students have sport categories?
1/10
1/57
3/5
1/114
1/1218
1 2 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
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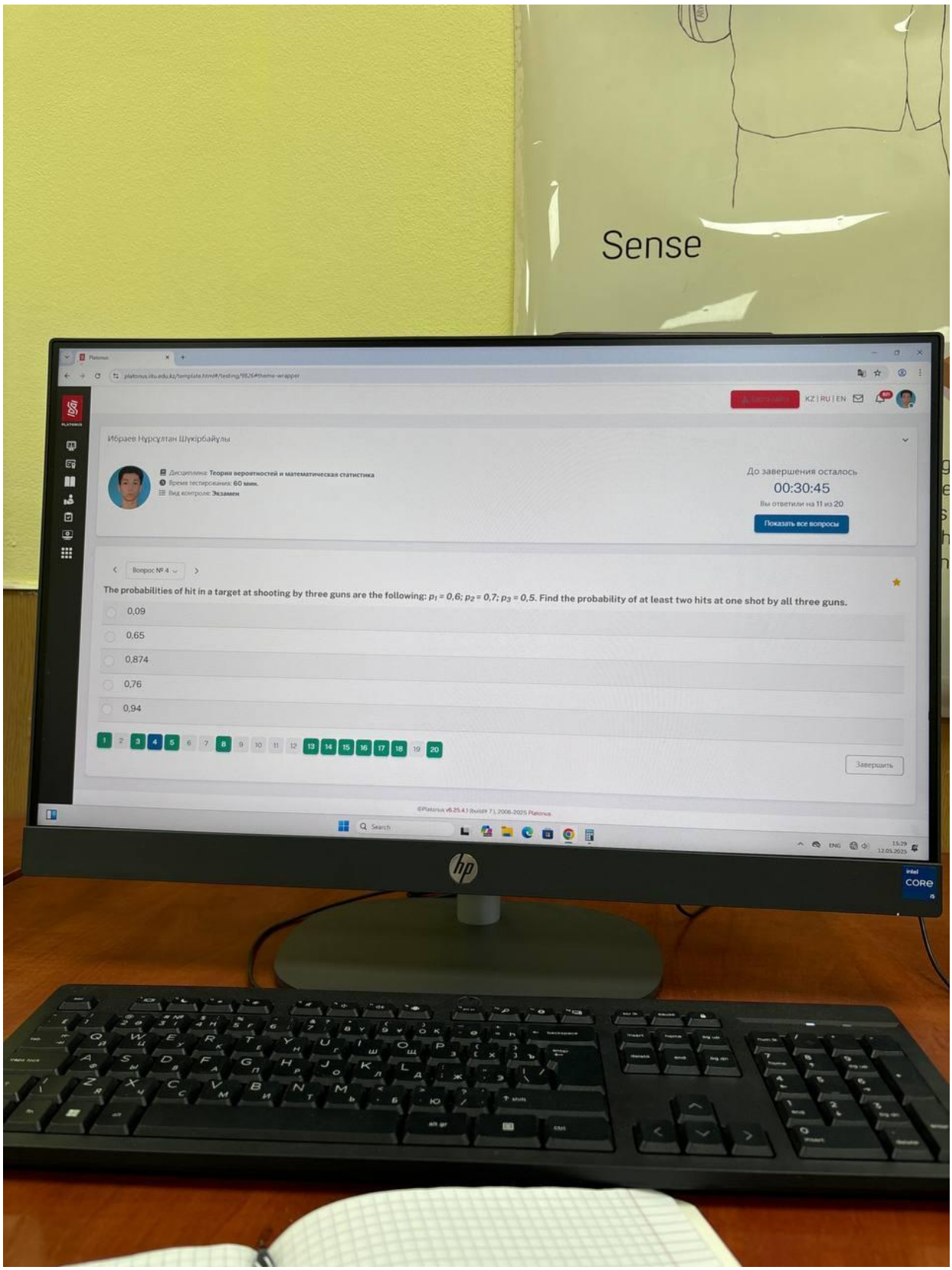
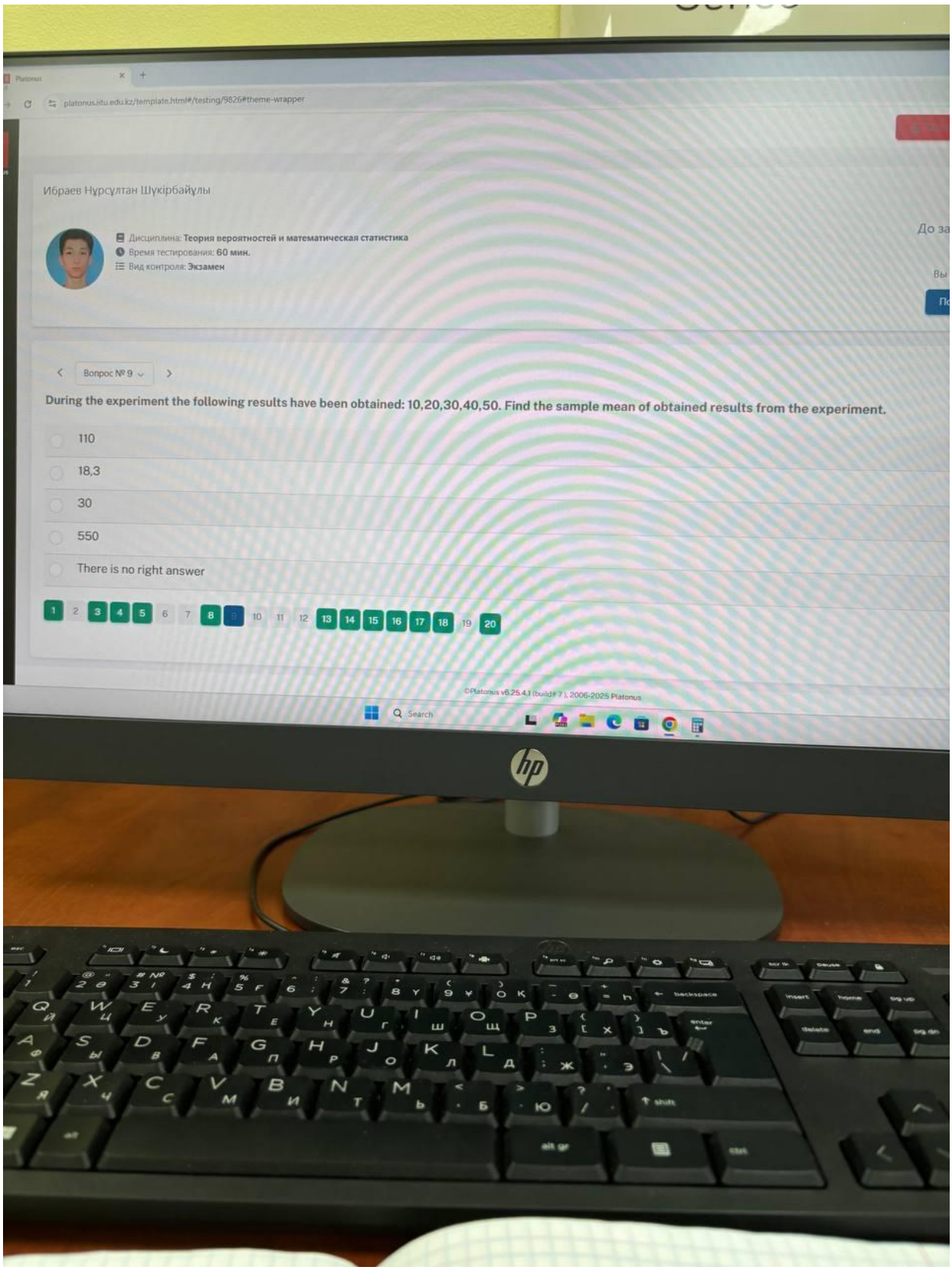

Sense
Ибраев Нурсұлтан Шүкірбайұлы
Дисциплина: Теория вероятностей и математическая статистика
Время тестирования: 60 мин.
Вид контроля: Экзамен
До завершения осталось
00:30:45
Вы ответили на 11 из 20
Показать все вопросы
Вопрос № 4
The probabilities of hit in a target at shooting by three guns are the following: $p_1 = 0,6$; $p_2 = 0,7$; $p_3 = 0,5$. Find the probability of at least two hits at one shot by all three guns.
0,09
0,65
0,874
0,76
0,94
Завершить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Ибраев Нұрсұлтан Шүкірбайұлы
Дисциплина: Теория вероятностей и математическая статистика
Время тестирования: 60 мин.
Вид контроля: Экзамен
Вопрос № 9
During the experiment the following results have been obtained: 10,20,30,40,50. Find the sample mean of obtained results from the experiment.
110
18,3
30
550
There is no right answer
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
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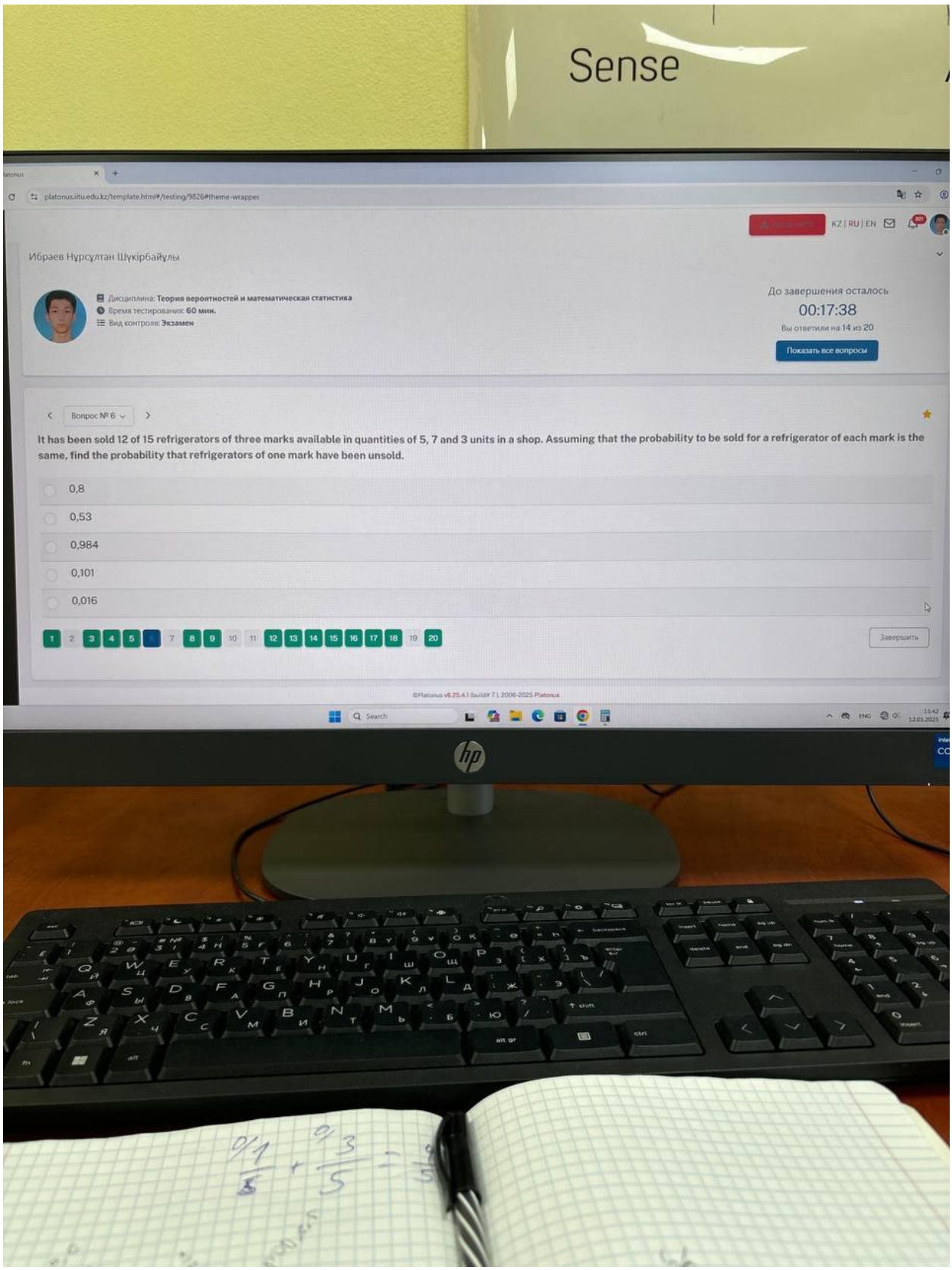
Sense
platonus.iitu.edu.kz/template.html#/testing/9826#theme-wrapper
KZ | RU | EN
Ибраев Нұрсұлтан Шүкірбайұлы
Дисциплина: Теория вероятностей и математическая статистика
Время тестирования: 60 мин.
Вид контроля: Экзамен
До завершения осталось
00:17:38
Вы ответили на 14 из 20
Показать все вопросы
Вопрос № 6
It has been sold 12 of 15 refrigerators of three marks available in quantities of 5, 7 and 3 units in a shop. Assuming that the probability to be sold for a refrigerator of each mark is the same, find the probability that refrigerators of one mark have been unsold.
0,8
0,53
0,984
0,101
0,016
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
Завершить
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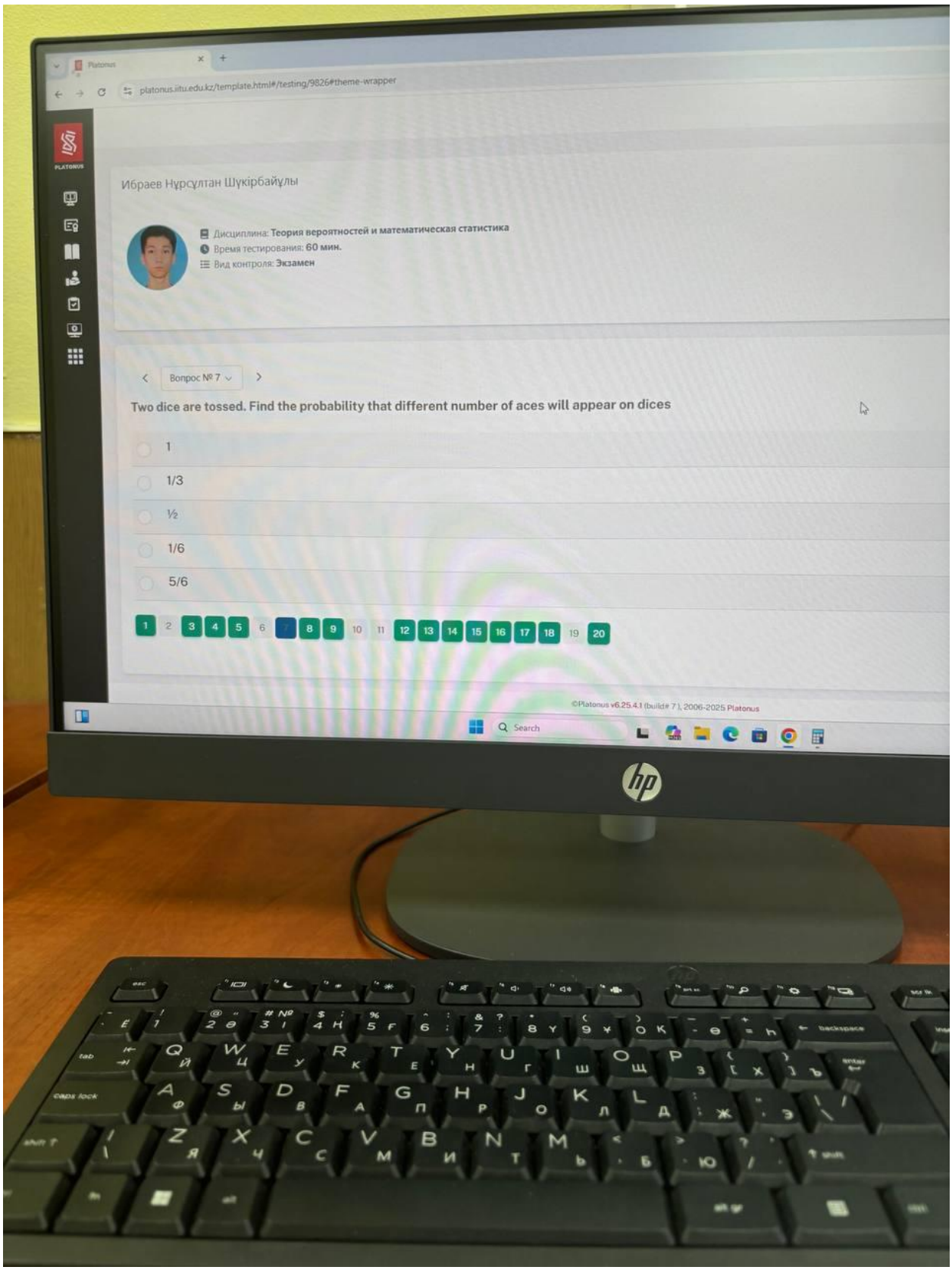
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Ибраев Нұрсұлтан Шүкірбайұлы
Дисциплина: Теория вероятностей и математическая статистика
Время тестирования: 60 мин.
Вид контроля: Экзамен
Вопрос № 7
Two dice are tossed. Find the probability that different number of aces will appear on dices
1
1/3
½
1/6
5/6
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
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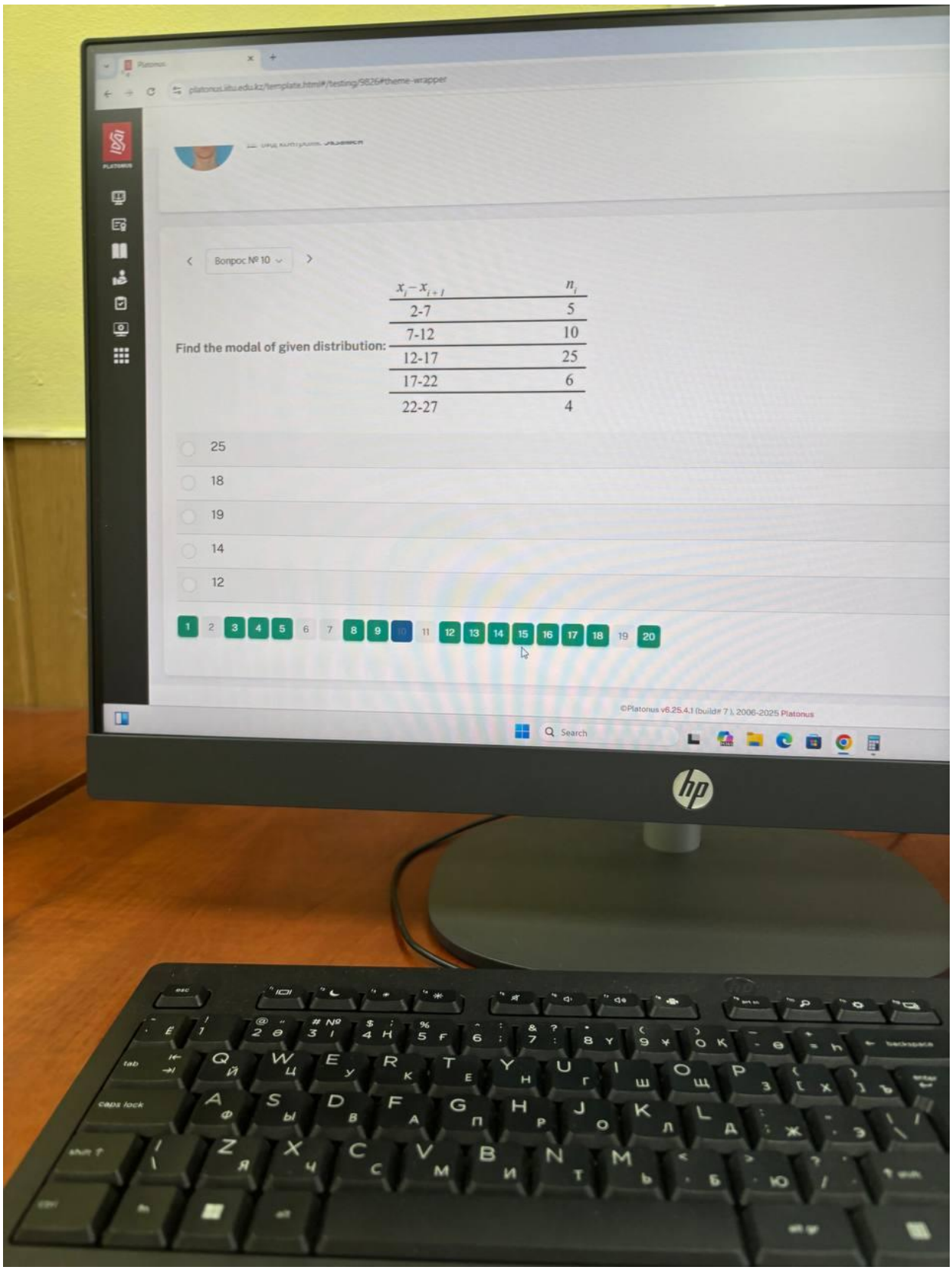
Вопрос № 10
Find the modal of given distribution:
$x_i - x_{i+1}$ | n_i
2-7 | 5
7-12 | 10
12-17 | 25
17-22 | 6
22-27 | 4
25
18
19
14
12
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
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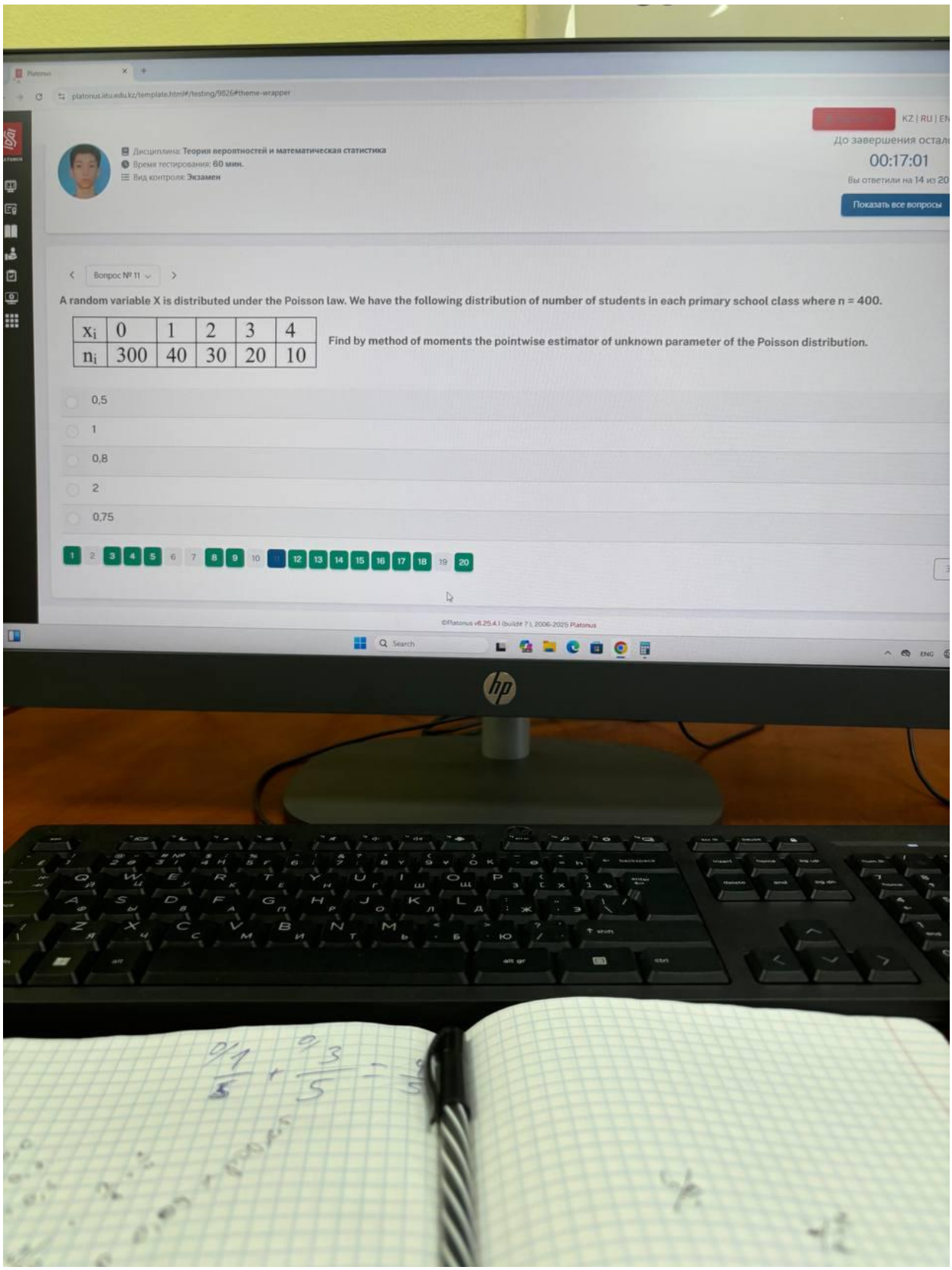
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Дисциплина: Теория вероятностей и математическая статистика
Время тестирования: 60 мин.
Вид контроля: Экзамен
KZ | RU | EN
До завершения остало
00:17:01
Вы ответили на 14 из 20
Показать все вопросы
Вопрос № 11
A random variable X is distributed under the Poisson law. We have the following distribution of number of students in each primary school class where n = 400.
Find by method of moments the pointwise estimator of unknown parameter of the Poisson distribution.
0,5
1
0,8
2
0,75
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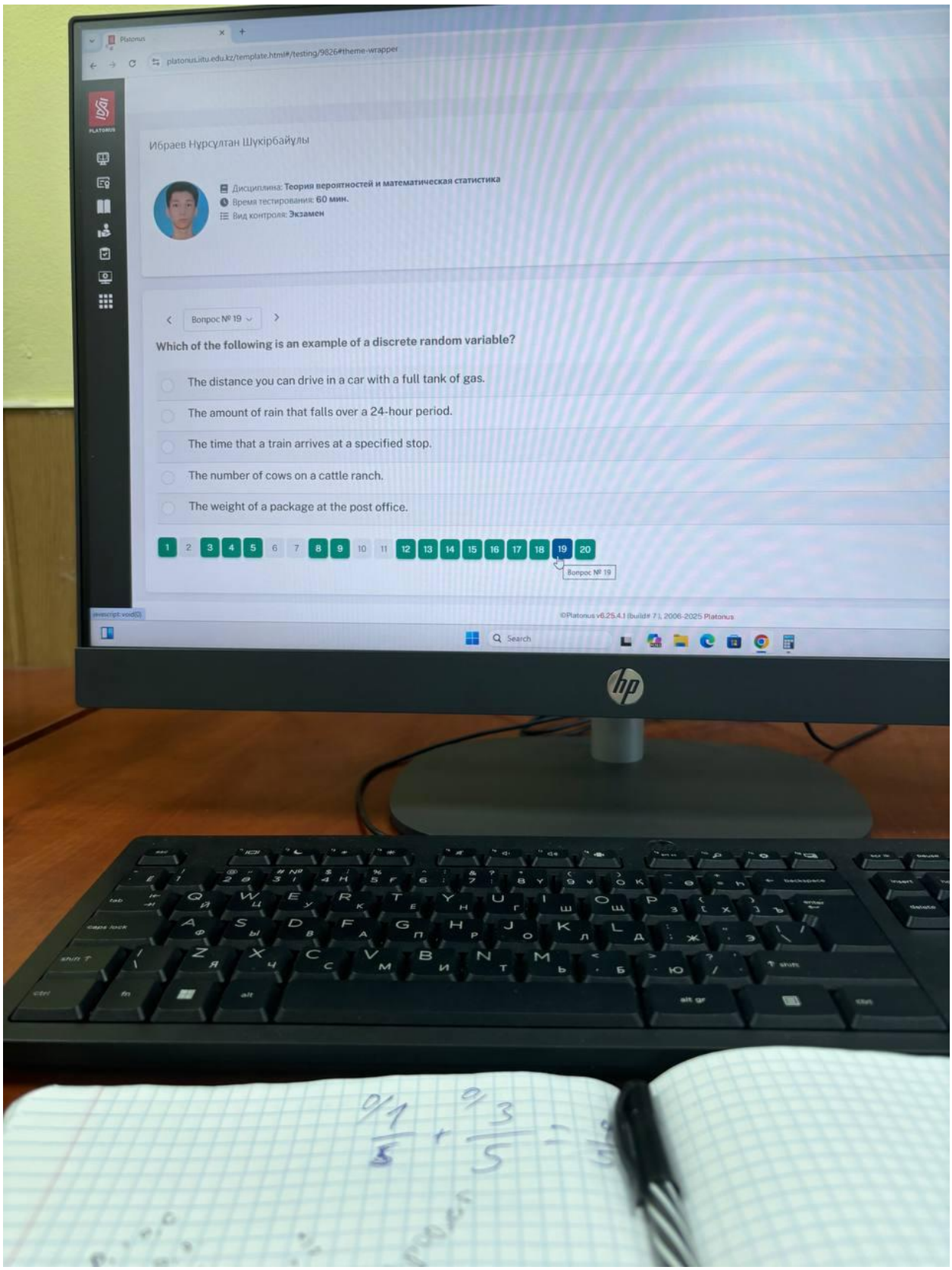
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Ибраев Нұрсұлтан Шүкірбайұлы
Дисциплина: Теория вероятностей и математическая статистика
Время тестирования: 60 мин.
Вид контроля: Экзамен
Вопрос № 19
Which of the following is an example of a discrete random variable?
The distance you can drive in a car with a full tank of gas.
The amount of rain that falls over a 24-hour period.
The time that a train arrives at a specified stop.
The number of cows on a cattle ranch.
The weight of a package at the post office.
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
Вопрос № 19
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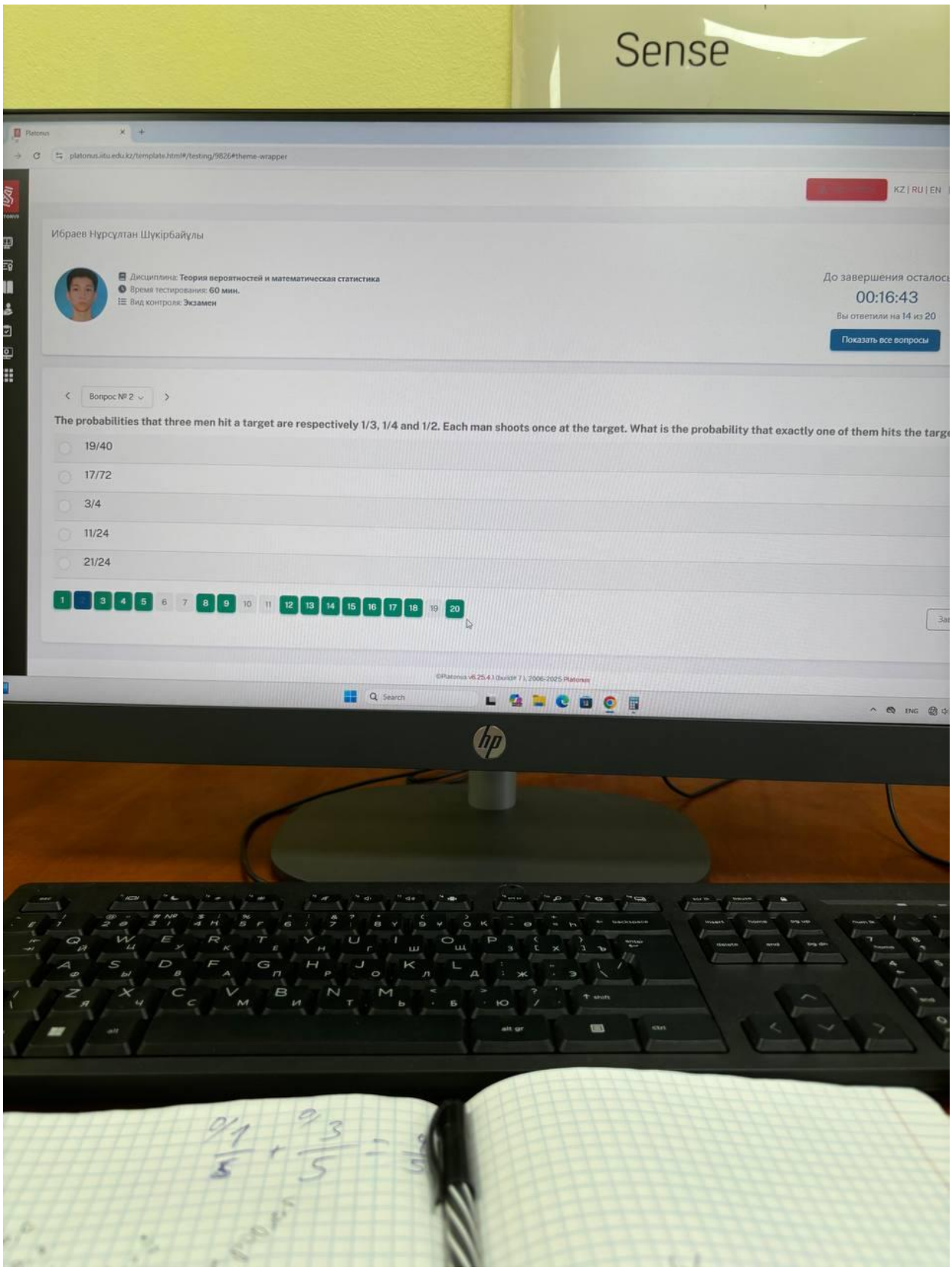
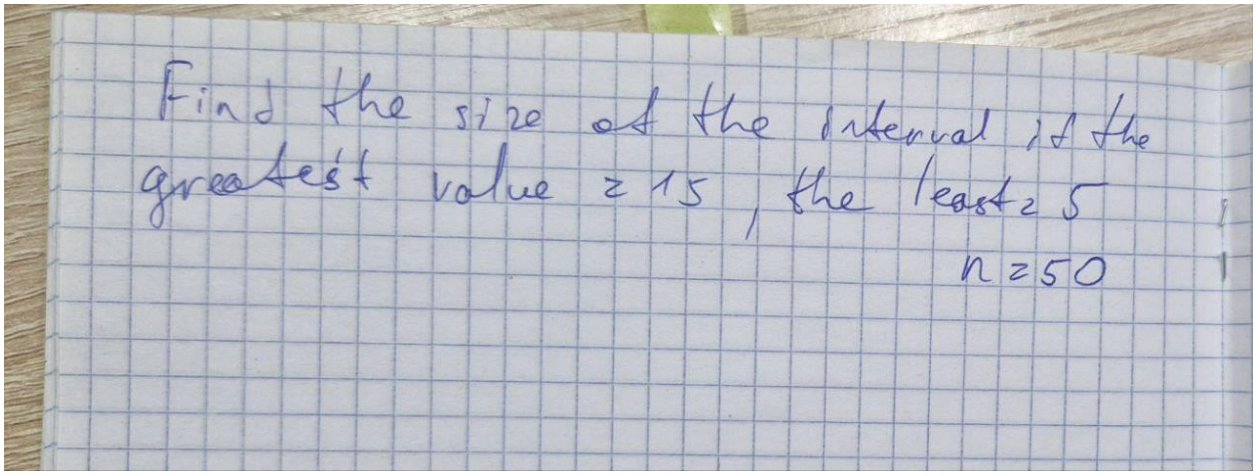


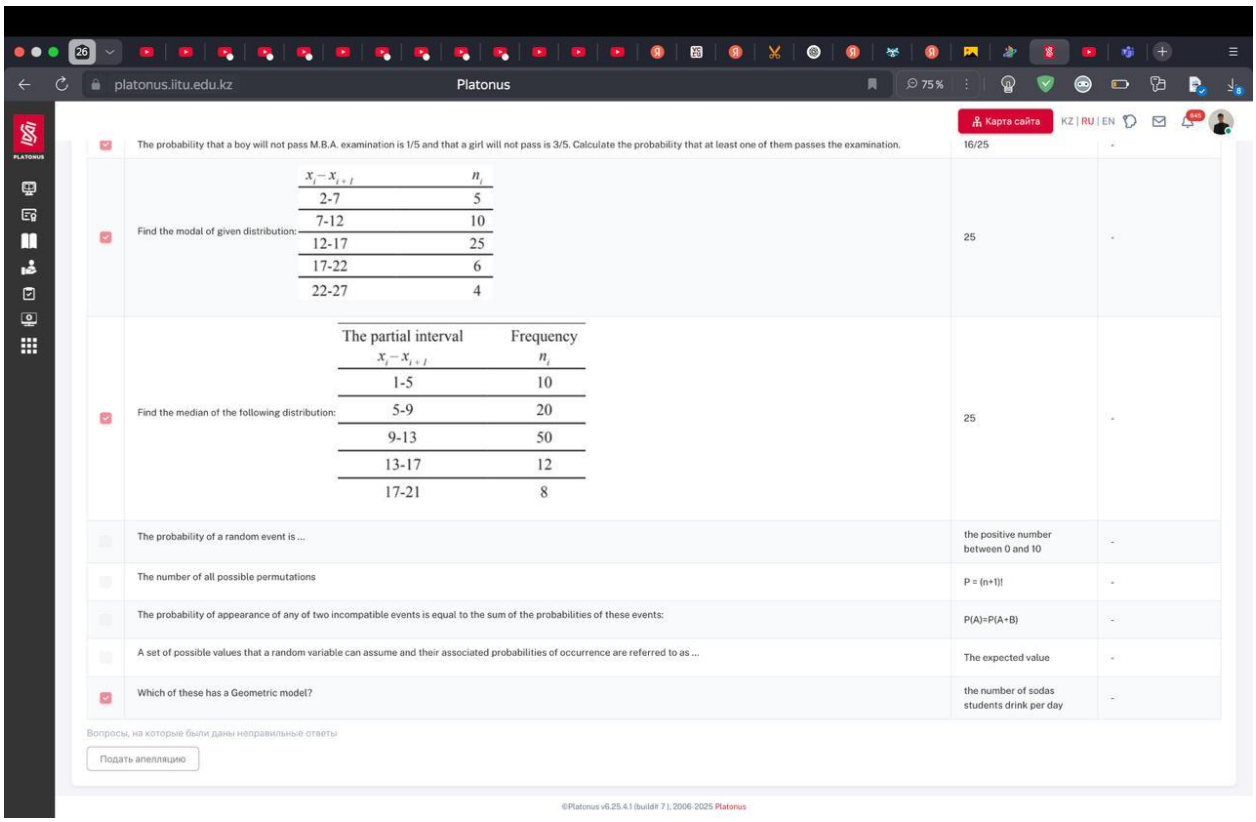
	ВОПРОС	ОТВЕТ
☐	It has been sold 12 of 15 refrigerators of three marks available in quantities of 5, 7 and 3 units in a shop. Assuming that the probability to be sold for a refrigerator of each mark is the same, find the probability that refrigerators of one mark have been unsold.	0,016
☐	Find the size of the interval if the greatest value of the interval series equal to 15, the least is 5, n=50	0,5

	ВОПРОС	ОТВЕТ
☐	Two dice are tossed. Find the probability that the product of aces does not exceed 5.	5/6
☐	There are 30 balls in an urn: 15 red, 5 blue and 15 white. Find the probability of appearance of a colour ball (red or blue).	0.5
☐	10 films participate in a competition on 5 nominations. How many variants of distribution of prizes are there, if on each nomination are established different prizes;	30240

Вопросы, на которые были даны неправильные ответы

	ВОПРОС	ОТВЕТ
☐	How many two-place numbers can be made of the digits 1, 4, 5 and 7 if each digit is included into the image of a number only once?	24
☐	Two dice are tossed. Find the probability that different number of aces will appear on dices	1/6
☐	What is the probability that at tossing two dice 3 aces will appear at least on one of the dice?	0,386
☐	Three students pass an exam. The probability that the exam will be passed on "excellent" by the first student is equal to 0,3; by the second – 0,7; and by the third – 0,8. What is the probability that the exam will be passed on "excellent" by at least one student?	0,465
☐	A random variable X is distributed under the Poisson law. We have the following distribution of number of students in each primary school class where n = 400. x_i: 0, 1, 2, 3, 4 n_i: 300, 40, 30, 20, 10 Find by method of moments the pointwise estimator of unknown parameter of the Poisson distribution.	0,75
☐	Find the coefficient of variation of the given distribution: x_i: 2, 4, 5 n_i: 1, 7, 2	15
☐	Find the size of the interval if the greatest value of the interval series equal to 15, the least is 5, n=50	0,5
☐	How would it change the dispersion of a random variable X if we add a number to the X.	D(X+a)= D(X)





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☑	The probability that a boy will not pass M.B.A. examination is 1/5 and that a girl will not pass is 3/5. Calculate the probability that at least one of them passes the examination.	16/25	-
☑	Find the modal of given distribution: $x_i - x_{i+1}$ / n_i: 2-7 / 5; 7-12 / 10; 12-17 / 25; 17-22 / 6; 22-27 / 4	25	-
☑	Find the median of the following distribution: The partial interval $x_i - x_{i+1}$ / Frequency n_i: 1-5 / 10; 5-9 / 20; 9-13 / 50; 13-17 / 12; 17-21 / 8	25	-
☐	The probability of a random event is ...	the positive number between 0 and 10	-
☐	The number of all possible permutations	P = (n+1)!	-
☐	The probability of appearance of any of two incompatible events is equal to the sum of the probabilities of these events:	P(A)=P(A+B)	-
☐	A set of possible values that a random variable can assume and their associated probabilities of occurrence are referred to as ...	The expected value	-
☑	Which of these has a Geometric model?	the number of sodas students drink per day	-

Вопросы, на которые были даны неправильные ответы

Подать апелляцию

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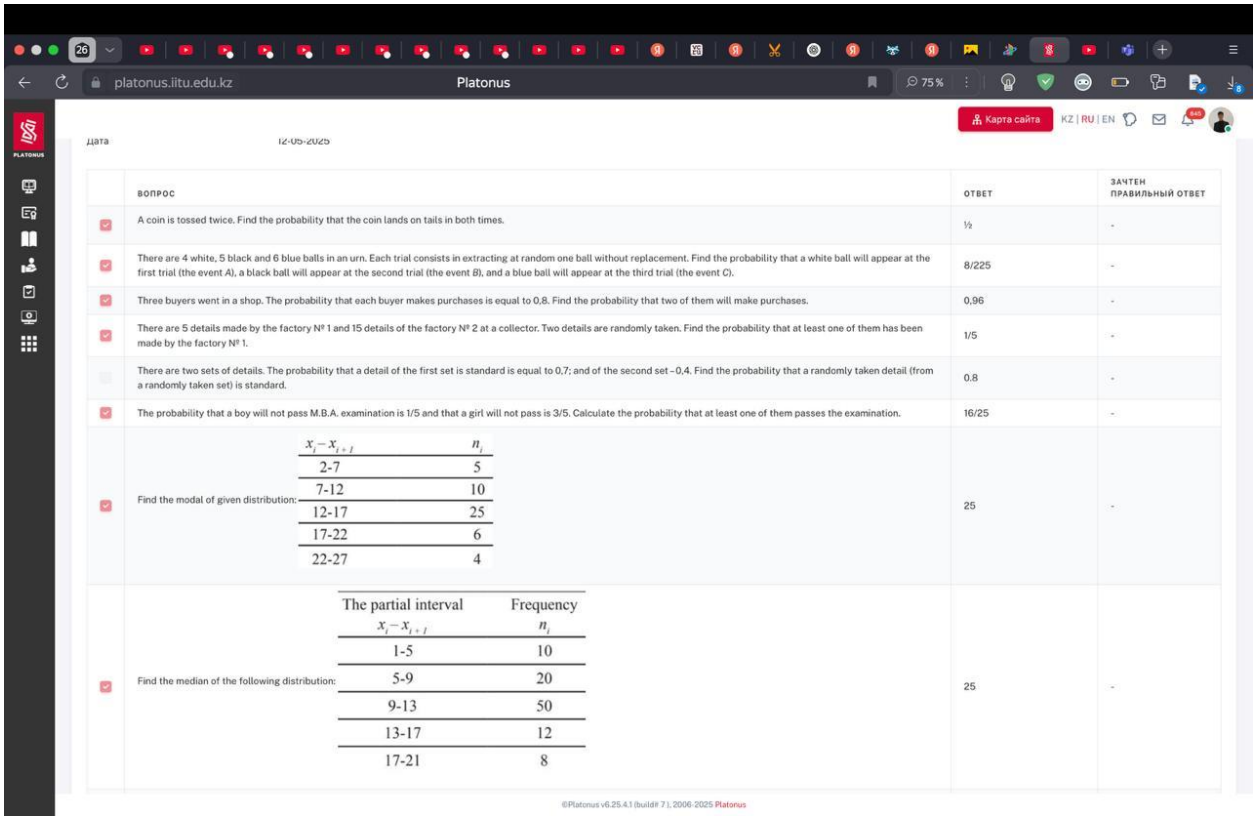

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Дата 12-05-2025

	ВОПРОС	ОТВЕТ	ЗАЧТЕН ПРАВИЛЬНЫЙ ОТВЕТ
☑	A coin is tossed twice. Find the probability that the coin lands on tails in both times.	½	-
☑	There are 4 white, 5 black and 6 blue balls in an urn. Each trial consists in extracting at random one ball without replacement. Find the probability that a white ball will appear at the first trial (the event *A*), a black ball will appear at the second trial (the event *B*), and a blue ball will appear at the third trial (the event *C*).	8/225	-
☑	Three buyers went in a shop. The probability that each buyer makes purchases is equal to 0,8. Find the probability that two of them will make purchases.	0,96	-
☑	There are 5 details made by the factory № 1 and 15 details of the factory № 2 at a collector. Two details are randomly taken. Find the probability that at least one of them has been made by the factory № 1.	1/5	-
☐	There are two sets of details. The probability that a detail of the first set is standard is equal to 0,7; and of the second set – 0,4. Find the probability that a randomly taken detail (from a randomly taken set) is standard.	0.8	-
☑	The probability that a boy will not pass M.B.A. examination is 1/5 and that a girl will not pass is 3/5. Calculate the probability that at least one of them passes the examination.	16/25	-
☑	Find the modal of given distribution: $x_i - x_{i+1}$ / n_i: 2-7 / 5; 7-12 / 10; 12-17 / 25; 17-22 / 6; 22-27 / 4	25	-
☑	Find the median of the following distribution: The partial interval $x_i - x_{i+1}$ / Frequency n_i: 1-5 / 10; 5-9 / 20; 9-13 / 50; 13-17 / 12; 17-21 / 8	25	-

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ВОПРОС	ОТВЕТ
A die is tossed. Find the probability that an even number of aces will appear.	1
A coin is tossed twice. Find the probability that the coin lands on tails in both times.	¼
It has been sold 12 of 15 refrigerators of three marks available in quantities of 5, 7 and 3 units in a shop. Assuming that the probability to be sold for a refrigerator of each mark is the same, find the probability that refrigerators of one mark have been unsold.	0,016
A random variable X is distributed under the Poisson law. We have the following distribution of number of students in each primary school class where n = 400. <table><tr><td>x_i</td><td>0</td><td>1</td><td>2</td><td>3</td><td>4</td></tr><tr><td>n_i</td><td>300</td><td>40</td><td>30</td><td>20</td><td>10</td></tr></table> Find by method of moments the pointwise estimator of unknown parameter of the Poisson distribution.	0,8
During the experiment the following results have been obtained: 10,20,30,40,50. Find the sample dispersion of obtained results from the experiment.	1000
Find the coefficient of variation of the given distribution: <table><tr><td>x_i</td><td>n_i</td></tr><tr><td>2</td><td>1</td></tr><tr><td>4</td><td>7</td></tr><tr><td>5</td><td>2</td></tr></table>	15
For independent events theorem of multiplication has the following form:	P(AB)=P(A)+P(B)
For a continuous random variable X, the probability density function f(x) represents	the probability at a fixed value of X
Which of these has a Geometric model?	the number of people we survey until we find two people who have taken Statistics
Which of the following is the appropriate definition for the union of two events A and B?	The set of all possible outcomes.

	ВОПРОС	ОТВЕТ
☐	There are 100 identical details (and 20 of them are painted) in a box. Find the probability that the first randomly taken detail will be painted.	⅕
☐	There are 200 details in a box. It is known that 150 of them are details of the first kind, 10 –the second kind, and the rest – the third kind. How many ways of extracting a detail of the first or the third kind from the box are there?	40
☐	The probability that a boy will not pass M.B.A. examination is 1/5 and that a girl will not pass is 3/5. Calculate the probability that at least one of them passes the examination.	16/25
☐	A random variable X is distributed under the Poisson law. We have the following distribution of number of students in each primary school class where n = 400. <table><tr><td>x_i</td><td>0</td><td>1</td><td>2</td><td>3</td><td>4</td></tr><tr><td>n_i</td><td>300</td><td>40</td><td>30</td><td>20</td><td>10</td></tr></table> Find by method of moments the pointwise estimator of unknown parameter of the Poisson distribution.	0,75
☐	Find the modal of given distribution: <table><tr><td>$x_i - x_{i-1}$</td><td>n_i</td></tr><tr><td>2-7</td><td>5</td></tr><tr><td>7-12</td><td>10</td></tr><tr><td>12-17</td><td>25</td></tr><tr><td>17-22</td><td>6</td></tr><tr><td>22-27</td><td>4</td></tr></table>	12
☐	Find the coefficient of variation of the given distribution: <table><tr><td>x_i</td><td>n_i</td></tr><tr><td>2</td><td>1</td></tr><tr><td>4</td><td>7</td></tr><tr><td>5</td><td>2</td></tr></table>	15
☐	Which of the following is an example of a discrete random variable?	The time that a train arrives at a specified stop.