MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE

West Ukrainian National University

Complex practical individual tasks in the discipline

«INTERNATIONAL STATISTICS»

Ternopil – 2022

Approved at the meeting of the Department of Applied Mathematics, protocol № 1 of 26 august 2022.

UDK 519.2

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Examples of solution of the tasks in the course «International Statistics» are considered in methodical instructions on the base of necessary theoretical knowledge. Methodical instructions to study the discipline «International Statistics» are proposed for students for helping them in solution of individual tasks.

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Variant 1

Example 1. Let consider the next data on macroeconomic processes in the country:

Indicator	**Million dollars USA**
Gross output (at basic prices)	1095630
Taxes excluding subsidies on products	52851
Taxes on production and imports accrued by residents	62777
Taxes on production and imports received by residents	62780
Subsidies for production and imports	6700
Balance of primary incomes received from other countries	-3097
Intermediate consumption	607029
Wages of employees accrued by residents	216600
Remuneration of employees received by residents	218384
Property income received from other countries	2035
Property income paid to other countries	8863
Current transfers received from other countries	16188
Current transfers paid to other countries	1358
Final consumer spending	337879
Consumption of fixed capital	50545
Gross fixed capital formation	96965
Change in inventories of working capital	2736

Acquisitions other than disposals of valuables	175
Capital transfers received from other countries	71
Capital transfers transferred to other countries	112
Acquisitions excluding disposal of unproduced items non-financial assets	289
Net acquisition of financial assets	93781
Pure acceptance of financial obligations	81584
Exports of goods and services	227252
Import of goods and services	223555

Find:
current accounts.

Variant 2

Example 1. Let consider the next data on macroeconomic processes in the country:

Indicator	**Million dollars USA**
Gross output (at basic prices)	1295630
Taxes excluding subsidies on products	55852
Taxes on production and imports accrued by residents	65887
Taxes on production and imports received by residents	62480
Subsidies for production and imports	6700
Balance of primary incomes received from other countries	-3097
Intermediate consumption	607029
Wages of employees accrued by residents	216600
Remuneration of employees received by residents	218384
Property income received from other countries	2035
Property income paid to other countries	8863
Current transfers received from other countries	16188
Current transfers paid to other countries	1358
Final consumer spending	337879
Consumption of fixed capital	50545
Gross fixed capital formation	96965
Change in inventories of working capital	2736

Acquisitions other than disposals of valuables	175
Capital transfers received from other countries	71
Capital transfers transferred to other countries	112
Acquisitions excluding disposal of unproduced items non-financial assets	289
Net acquisition of financial assets	93781
Pure acceptance of financial obligations	81584
Exports of goods and services	227252
Import of goods and services	223555

Find:
current accounts.

Variant 1

1. Let consider the next information about export goods:

Table

Good	Base year		Current year	
	Price for unit, mln. USA $	**Amount, t**	**Price for unit, mln. USA $**	**Amount, t**
A	84,0	305	92,0	420
B	56,0	155	41,5	284
C	43,5	124	51,2	185

Find and analyze:

- Individual price indices and indices of volume of goods;
- Aggregate index of price;
- Aggregate index of volume;
- Aggregate index of value of exported goods;
- Absolute value of change of the value of exported goods.
- Find the relationship between aggregate index of price, aggregate index of volume and aggregate index of value of exported goods.

2. The cost of production of export good A equals to 610 thousand USA dollars and good B – 200 thousand USA dollars. Currency receipts from export good A equals 420 thousand USA dollars and good B – 250 thousand USA dollars. Calculate and analyze the coefficients of currency efficiency of export goods.

3. The value of the country's export equals to 200 mln. USA dollars and the total turnover of international trade equals to 500 mln. USA dollars in the base period; the value of the country's export equals to 340 mln. USA dollars and the total turnover of international trade equals to 750 mln. USA dollars in the current period. Calculate and analyze the coverage ratio for base and current periods. Calculate and analyze base indexes of the coverage ratio of imports by exports.

Variant 2

1. Let consider the next information about export goods:

Table

Good	Base year		Current year	
	Price for unit, mln. USA $	**Amount, t**	**Price for unit, mln. USA $**	**Amount, t**
A	28,0	309	62,0	420
B	57,0	151	21,5	284
C	12,8	160	15.1	185

Find and analyze:

- Individual price indices and indices of volume of goods;
- Aggregate index of price;
- Aggregate index of volume;
- Aggregate index of value of exported goods;
- Absolute value of change of the value of exported goods.
- Find the relationship between aggregate index of price, aggregate index of volume and aggregate index of value of exported goods.

2. The cost of production of export good A equals to 615 thousand USA dollars and good B – 210 thousand USA dollars. Currency receipts from export good A equals 425 thousand USA dollars and good B – 250 thousand USA dollars. Calculate and analyze the coefficients of currency efficiency of export goods.

3. The value of the country's export equals to 200 mln. USA dollars and the total turnover of international trade equals to 500 mln. USA dollars in the base period; the value of the country's export equals to 340 mln. USA dollars and the total turnover of international trade equals to 750 mln. USA dollars in the current period. Calculate and analyze the coverage ratio for base and current periods. Calculate and analyze base indexes of the coverage ratio of imports by exports.

Variant 3

1. Let consider the next information about export goods:

Table

Good	Base year		Current year	
	Price for unit, mln. USA $	**Amount, t**	**Price for unit, mln. USA $**	**Amount, t**
A	18,0	405	62,6	420
B	87,2	155	21,5	284
C	65,4	56	45,9	95

Find and analyze:

- Individual price indices and indices of volume of goods;
- Aggregate index of price;
- Aggregate index of volume;
- Aggregate index of value of exported goods;
- Absolute value of change of the value of exported goods.
- Find the relationship between aggregate index of price, aggregate index of volume and aggregate index of value of exported goods.

2. The cost of production of export good A equals to 610 thousand USA dollars and good B – 240 thousand USA dollars. Currency receipts from export good A equals 430 thousand USA dollars and good B – 260 thousand USA dollars. Calculate and analyze the coefficients of currency efficiency of export goods.

3. The value of the country's export equals to 200 mln. USA dollars and the total turnover of international trade equals to 500 mln. USA dollars in the base period; the value of the country's export equals to 340 mln. USA dollars and the total turnover of international trade equals to 750 mln. USA dollars in the current period. Calculate and analyze the coverage ratio for base and current periods. Calculate and analyze base indexes of the coverage ratio of imports by exports.

Variant 4

1. Let consider the next information about export goods:

Table

Good	Base year		Current year	
	Price for unit, mln. USA $	**Amount, t**	**Price for unit, mln. USA $**	**Amount, t**
A	58,0	305	62,0	420
B	27,0	155	21,5	284
C	45,2	96	48,5	102

Find and analyze:

- Individual price indices and indices of volume of goods;
- Aggregate index of price;
- Aggregate index of volume;
- Aggregate index of value of exported goods;
- Absolute value of change of the value of exported goods.
- Find the relationship between aggregate index of price, aggregate index of volume and aggregate index of value of exported goods.

2. The cost of production of export good A equals to 610 thousand USA dollars and good B – 200 thousand USA dollars. Currency receipts from export good A equals 420 thousand USA dollars and good B – 250 thousand USA dollars. Calculate and analyze the coefficients of currency efficiency of export goods.

3. The value of the country's export equals to 200 mln. USA dollars and the total turnover of international trade equals to 500 mln. USA dollars in the base period; the value of the country's export equals to 340 mln. USA dollars and the total turnover of international trade equals to 750 mln. USA dollars in the current period. Calculate and analyze the coverage ratio for base and current periods. Calculate and analyze base indexes of the coverage ratio of imports by exports.

Variant 5

1. Let consider the next information about export goods:

Table

Good	Base year		Current year	
	Price for unit, mln. USA $	**Amount, t**	**Price for unit, mln. USA $**	**Amount, t**
A	62,0	315	62,5	430
B	29,0	145	21,8	294
C	45,2	56	58,4	96

Find and analyze:

- Individual price indices and indices of volume of goods;
- Aggregate index of price;
- Aggregate index of volume;
- Aggregate index of value of exported goods;
- Absolute value of change of the value of exported goods.
- Find the relationship between aggregate index of price, aggregate index of volume and aggregate index of value of exported goods.

2. The cost of production of export good A equals to 610 thousand USA dollars and good B – 200 thousand USA dollars. Currency receipts from export good A equals 420 thousand USA dollars and good B – 250 thousand USA dollars. Calculate and analyze the coefficients of currency efficiency of export goods.

3. The value of the country's export equals to 200 mln. USA dollars and the total turnover of international trade equals to 500 mln. USA dollars in the base period; the value of the country's export equals to 340 mln. USA dollars and the total turnover of international trade equals to 750 mln. USA dollars in the current period. Calculate and analyze the coverage ratio for base and current periods. Calculate and analyze base indexes of the coverage ratio of imports by exports.

Variant 6

1. Let consider the next information about export goods:

Table

Good	Base year		Current year	
	Price for unit, mln. USA $	**Amount, t**	**Price for unit, mln. USA $**	**Amount, t**
A	78,3	305	62,9	420
B	27,1	155	21,2	284
C	98,4	85	78,6	96

Find and analyze:

- Individual price indices and indices of volume of goods;
- Aggregate index of price;
- Aggregate index of volume;
- Aggregate index of value of exported goods;
- Absolute value of change of the value of exported goods.
- Find the relationship between aggregate index of price, aggregate index of volume and aggregate index of value of exported goods.

2. The cost of production of export good A equals to 610 thousand USA dollars and good B – 270 thousand USA dollars. Currency receipts from export good A equals 421 thousand USA dollars and good B – 258 thousand USA dollars. Calculate and analyze the coefficients of currency efficiency of export goods.

3. The value of the country’s export equals to 200 mln. USA dollars and the total turnover of international trade equals to 500 mln. USA dollars in the base period; the value of the country’s export equals to 340 mln. USA dollars and the total turnover of international trade equals to 750 mln. USA dollars in the current period. Calculate and analyze the coverage ratio for base and current periods.

Variant 7

1. Let consider the next information about export goods:

Table

Good	Base year		Current year	
	Price for unit, mln. USA $	**Amount, t**	**Price for unit, mln. USA $**	**Amount, t**
A	58,6	301	62,3	420
B	27,9	152	21,5	284
C	5,4	258	10,2	159

Find and analyze:

- Individual price indices and indices of volume of goods;
- Aggregate index of price;
- Aggregate index of volume;
- Aggregate index of value of exported goods;
- Absolute value of change of the value of exported goods.
- Find the relationship between aggregate index of price, aggregate index of volume and aggregate index of value of exported goods.

2. The cost of production of export good A equals to 619 thousand USA dollars and good B – 242 thousand USA dollars. Currency receipts from export good A equals 422 thousand USA dollars and good B – 245 thousand USA dollars. Calculate and analyze the coefficients of currency efficiency of export goods.

3. The value of the country's export equals to 200 mln. USA dollars and the total turnover of international trade equals to 500 mln. USA dollars in the base period; the value of the country's export equals to 340 mln. USA dollars and the total turnover of international trade equals to 750 mln. USA dollars in the current period. Calculate and analyze the coverage ratio for base and current periods. Calculate and analyze base indexes of the coverage ratio of imports by exports.

Variant 8

1. Let consider the next information about export goods:

Table

Good	Base year		Current year	
	Price for unit, mln. USA $	**Amount, t**	**Price for unit, mln. USA $**	**Amount, t**
A	58,7	305	62,8	450
B	27,0	157	21,4	284
C	45,6	75	32,8	85

Find and analyze:

- ➥ Individual price indices and indices of volume of goods;
- ➥ Aggregate index of price;
- ➥ Aggregate index of volume;
- ➥ Aggregate index of value of exported goods;
- ➥ Absolute value of change of the value of exported goods.
- ➥ Find the relationship between aggregate index of price, aggregate index of volume and aggregate index of value of exported goods.

2. The cost of production of export good A equals to 640 thousand USA dollars and good B – 270 thousand USA dollars. Currency receipts from export good A equals 448 thousand USA dollars and good B – 253 thousand USA dollars. Calculate and analyze the coefficients of currency efficiency of export goods.

3. The value of the country's export equals to 200 mln. USA dollars and the total turnover of international trade equals to 500 mln. USA dollars in the base period; the value of the country's export equals to 340 mln. USA dollars and the total turnover of international trade equals to 750 mln. USA dollars in the current period. Calculate and analyze the coverage ratio for base and current periods. Calculate and analyze base indexes of the coverage ratio of imports by exports.

Variant 9

1. Let consider the next information about export goods:

Table

Good	Base year		Current year	
	Price for unit, mln. USA $	**Amount, t**	**Price for unit, mln. USA $**	**Amount, t**
A	58,5	355	62,5	420
B	27,3	157	21,5	284
C	54,6	75	35.6	94

Find and analyze:

- Individual price indices and indices of volume of goods;
- Aggregate index of price;
- Aggregate index of volume;
- Aggregate index of value of exported goods;
- Absolute value of change of the value of exported goods.
- Find the relationship between aggregate index of price, aggregate index of volume and aggregate index of value of exported goods.

2. The cost of production of export good A equals to 610 thousand USA dollars and good B – 276 thousand USA dollars. Currency receipts from export good A equals 456 thousand USA dollars and good B – 250 thousand USA dollars. Calculate and analyze the coefficients of currency efficiency of export goods. Calculate and analyze base indexes of the coverage ratio of imports by exports.

3. The value of the country's export equals to 200 mln. USA dollars and the total turnover of international trade equals to 500 mln. USA dollars in the base period; the value of the country's export equals to 340 mln. USA dollars and the total turnover of international trade equals to 750 mln. USA dollars in the current period. Calculate and analyze the coverage ratio for base and current periods.

Variant 10

1. Let consider the next information about export goods:

Table

Good	Base year		Current year	
	Price for unit, mln. USA $	**Amount, t**	**Price for unit, mln. USA $**	**Amount, t**
A	78,0	345	62,4	420
B	27,6	175	21,9	284
C	5,6	56	10,2	65

Find and analyze:

- Individual price indices and indices of volume of goods;
- Aggregate index of price;
- Aggregate index of volume;
- Aggregate index of value of exported goods;
- Absolute value of change of the value of exported goods.
- Find the relationship between aggregate index of price, aggregate index of volume and aggregate index of value of exported goods.

2. The cost of production of export good A equals to 670 thousand USA dollars and good B – 200 thousand USA dollars. Currency receipts from export good A equals 420 thousand USA dollars and good B – 290 thousand USA dollars. Calculate and analyze the coefficients of currency efficiency of export goods.

3. The value of the country's export equals to 200 mln. USA dollars and the total turnover of international trade equals to 500 mln. USA dollars in the base period; the value of the country's export equals to 340 mln. USA dollars and the total turnover of international trade equals to 750 mln. USA dollars in the current period. Calculate and analyze the coverage ratio for base and current periods. Calculate and analyze base indexes of the coverage ratio of imports by exports.

Variant 11

1. Let consider the next information about export goods:

Table

Good	Base year		Current year	
	Price for unit, mln. USA $	**Amount, t**	**Price for unit, mln. USA $**	**Amount, t**
A	84,0	305	92,0	420
B	56,0	155	41,5	284
C	7,9	35	10,5	21

Find and analyze:

- Individual price indices and indices of volume of goods;
- Aggregate index of price;
- Aggregate index of volume;
- Aggregate index of value of exported goods;
- Absolute value of change of the value of exported goods.
- Find the relationship between aggregate index of price, aggregate index of volume and aggregate index of value of exported goods.

2. The cost of production of export good A equals to 680 thousand USA dollars and good B – 300 thousand USA dollars. Currency receipts from export good A equals 420 thousand USA dollars and good B – 350 thousand USA dollars. Calculate and analyze the coefficients of currency efficiency of export goods.

3. The value of the country's export equals to 200 mln. USA dollars and the total turnover of international trade equals to 500 mln. USA dollars in the base period; the value of the country's export equals to 340 mln. USA dollars and the total turnover of international trade equals to 750 mln. USA dollars in the current period. Calculate and analyze the coverage ratio for base and current periods. Calculate and analyze base indexes of the coverage ratio of imports by exports.

Variant 12

1. Let consider the next information about export goods:

Table

Good	Base year		Current year	
	Price for unit, mln. USA $	**Amount, t**	**Price for unit, mln. USA $**	**Amount, t**
A	28,0	309	62,0	420
B	57,0	151	21,5	284
C	6,4	210	12,4	105

Find and analyze:

- Individual price indices and indices of volume of goods;
- Aggregate index of price;
- Aggregate index of volume;
- Aggregate index of value of exported goods;
- Absolute value of change of the value of exported goods.
- Find the relationship between aggregate index of price, aggregate index of volume and aggregate index of value of exported goods.

2. The cost of production of export good A equals to 685 thousand USA dollars and good B – 265 thousand USA dollars. Currency receipts from export good A equals 420 thousand USA dollars and good B – 250 thousand USA dollars. Calculate and analyze the coefficients of currency efficiency of export goods.

3. The value of the country's export equals to 200 mln. USA dollars and the total turnover of international trade equals to 500 mln. USA dollars in the base period; the value of the country's export equals to 340 mln. USA dollars and the total turnover of international trade equals to 750 mln. USA dollars in the current period. Calculate and analyze the coverage ratio for base and current periods. Calculate and analyze base indexes of the coverage ratio of imports by exports.

Variant 13

1. Let consider the next information about export goods:

Table

Good	Base year		Current year	
	Price for unit, mln. USA $	**Amount, t**	**Price for unit, mln. USA $**	**Amount, t**
A	18,0	405	62,6	420
B	87,2	155	21,5	284
C	7,6	60	14,5	55

Find and analyze:

- Individual price indices and indices of volume of goods;
- Aggregate index of price;
- Aggregate index of volume;
- Aggregate index of value of exported goods;
- Absolute value of change of the value of exported goods.
- Find the relationship between aggregate index of price, aggregate index of volume and aggregate index of value of exported goods.

2. The cost of production of export good A equals to 680 thousand USA dollars and good B – 280 thousand USA dollars. Currency receipts from export good A equals 420 thousand USA dollars and good B – 256 thousand USA dollars. Calculate and analyze the coefficients of currency efficiency of export goods.

3. The value of the country's export equals to 200 mln. USA dollars and the total turnover of international trade equals to 500 mln. USA dollars in the base period; the value of the country's export equals to 340 mln. USA dollars and the total turnover of international trade equals to 750 mln. USA dollars in the current period. Calculate and analyze the coverage ratio for base and current periods. Calculate and analyze base indexes of the coverage ratio of imports by exports.

Variant 14

1. Let consider the next information about export goods:

Table

Good	Base year		Current year	
	Price for unit, mln. USA $	**Amount, t**	**Price for unit, mln. USA $**	**Amount, t**
A	58,0	305	62,0	420
B	27,0	155	21,5	284
C	14,6	75	16,2	70

Find and analyze:

- Individual price indices and indices of volume of goods;
- Aggregate index of price;
- Aggregate index of volume;
- Aggregate index of value of exported goods;
- Absolute value of change of the value of exported goods.
- Find the relationship between aggregate index of price, aggregate index of volume and aggregate index of value of exported goods.

2. The cost of production of export good A equals to 678 thousand USA dollars and good B – 263 thousand USA dollars. Currency receipts from export good A equals 420 thousand USA dollars and good B – 250 thousand USA dollars. Calculate and analyze the coefficients of currency efficiency of export goods.

3. The value of the country's export equals to 200 mln. USA dollars and the total turnover of international trade equals to 500 mln. USA dollars in the base period; the value of the country's export equals to 340 mln. USA dollars and the total turnover of international trade equals to 750 mln. USA dollars in the current period. Calculate and analyze the coverage ratio for base and current periods. Calculate and analyze base indexes of the coverage ratio of imports by exports.

Variant 15

1. Let consider the next information about export goods:

Table

Good	Base year		Current year	
	Price for unit, mln. USA $	**Amount, t**	**Price for unit, mln. USA $**	**Amount, t**
A	62,0	315	62,5	430
B	29,0	145	21,8	294
C	5,4	65	9,8	56

Find and analyze:

- Individual price indices and indices of volume of goods;
- Aggregate index of price;
- Aggregate index of volume;
- Aggregate index of value of exported goods;
- Absolute value of change of the value of exported goods.
- Find the relationship between aggregate index of price, aggregate index of volume and aggregate index of value of exported goods.

2. The cost of production of export good A equals to 610 thousand USA dollars and good B – 250 thousand USA dollars. Currency receipts from export good A equals 456 thousand USA dollars and good B – 230 thousand USA dollars. Calculate and analyze the coefficients of currency efficiency of export goods.

3. The value of the country's export equals to 200 mln. USA dollars and the total turnover of international trade equals to 500 mln. USA dollars in the base period; the value of the country's export equals to 340 mln. USA dollars and the total turnover of international trade equals to 750 mln. USA dollars in the current period. Calculate and analyze the coverage ratio for base and current periods. Calculate and analyze base indexes of the coverage ratio of imports by exports.

Variant 16

1. Let consider the next information about export goods:

Table

Good	Base year		Current year	
	Price for unit, mln. USA $	**Amount, t**	**Price for unit, mln. USA $**	**Amount, t**
A	78,3	305	62,9	420
B	27,1	155	21,4	284
C	4,9	35	5,9	85

Find and analyze:

- Individual price indices and indices of volume of goods;
- Aggregate index of price;
- Aggregate index of volume;
- Aggregate index of value of exported goods;
- Absolute value of change of the value of exported goods.
- Find the relationship between aggregate index of price, aggregate index of volume and aggregate index of value of exported goods.

2. The cost of production of export good A equals to 610 thousand USA dollars and good B – 225 thousand USA dollars. Currency receipts from export good A equals 520 thousand USA dollars and good B – 250 thousand USA dollars. Calculate and analyze the coefficients of currency efficiency of export goods.

3. The value of the country's export equals to 200 mln. USA dollars and the total turnover of international trade equals to 500 mln. USA dollars in the base period; the value of the country's export equals to 340 mln. USA dollars and the total turnover of international trade equals to 750 mln. USA dollars in the current period. Calculate and analyze the coverage ratio for base and current periods. Calculate and analyze base indexes of the coverage ratio of imports by exports.

Variant 17

1. Let consider the next information about export goods:

Table

Good	Base year		Current year	
	Price for unit, mln. USA $	**Amount, t**	**Price for unit, mln. USA $**	**Amount, t**
A	58,6	301	62,3	420
B	27,9	152	21,5	284
C	10,5	98	5,6	125

Find and analyze:

- ➥ Individual price indices and indices of volume of goods;
- ➥ Aggregate index of price;
- ➥ Aggregate index of volume;
- ➥ Aggregate index of value of exported goods;
- ➥ Absolute value of change of the value of exported goods.
- ➥ Find the relationship between aggregate index of price, aggregate index of volume and aggregate index of value of exported goods.

2. The cost of production of export good A equals to 710 thousand USA dollars and good B – 290 thousand USA dollars. Currency receipts from export good A equals 420 thousand USA dollars and good B – 260 thousand USA dollars. Calculate and analyze the coefficients of currency efficiency of export goods.

3. The value of the country's export equals to 200 mln. USA dollars and the total turnover of international trade equals to 500 mln. USA dollars in the base period; the value of the country's export equals to 340 mln. USA dollars and the total turnover of international trade equals to 750 mln. USA dollars in the current period. Calculate and analyze the coverage ratio for base and current periods. Calculate and analyze base indexes of the coverage ratio of imports by exports.

Variant 18

1. Let consider the next information about export goods:

Table

Good	Base year		Current year	
	Price for unit, mln. USA $	Amount, t	Price for unit, mln. USA $	Amount, t
A	58,7	305	62,8	450
B	27,0	155	21,4	284
C	65,3	128	54,3	250

Find and analyze:

- Individual price indices and indices of volume of goods;
- Aggregate index of price;
- Aggregate index of volume;
- Aggregate index of value of exported goods;
- Absolute value of change of the value of exported goods.
- Find the relationship between aggregate index of price, aggregate index of volume and aggregate index of value of exported goods.

2. The cost of production of export good A equals to 630 thousand USA dollars and good B – 260 thousand USA dollars. Currency receipts from export good A equals 425 thousand USA dollars and good B – 250 thousand USA dollars. Calculate and analyze the coefficients of currency efficiency of export goods.

3. The value of the country's export equals to 200 mln. USA dollars and the total turnover of international trade equals to 500 mln. USA dollars in the base period; the value of the country's export equals to 340 mln. USA dollars and the total turnover of international trade equals to 750 mln. USA dollars in the current period. Calculate and analyze the coverage ratio for base and current periods. Calculate and analyze base indexes of the coverage ratio of imports by exports.

Variant 19

1. Let consider the next information about export goods:

Table

Good	Base year		Current year	
	Price for unit, mln. USA $	**Amount, t**	**Price for unit, mln. USA $**	**Amount, t**
A	58,5	355	62,5	420
B	27,3	157	21,5	284
C	4,5	85	6,8	135

Find and analyze:

- Individual price indices and indices of volume of goods;
- Aggregate index of price;
- Aggregate index of volume;
- Aggregate index of value of exported goods;
- Absolute value of change of the value of exported goods.
- Find the relationship between aggregate index of price, aggregate index of volume and aggregate index of value of exported goods.

2. The cost of production of export good A equals to 610 thousand USA dollars and good B – 200 thousand USA dollars. Currency receipts from export good A equals 420 thousand USA dollars and good B – 250 thousand USA dollars. Calculate and analyze the coefficients of currency efficiency of export goods.

3. The value of the country's export equals to 200 mln. USA dollars and the total turnover of international trade equals to 500 mln. USA dollars in the base period; the value of the country's export equals to 340 mln. USA dollars and the total turnover of international trade equals to 750 mln. USA dollars in the current period. Calculate and analyze the coverage ratio for base and current periods. Calculate and analyze base indexes of the coverage ratio of imports by exports.

Variant 20

1. Let consider the next information about export goods:

Table

Good	Base year		Current year	
	Price for unit, mln. USA $	**Amount, t**	**Price for unit, mln. USA $**	**Amount, t**
A	78,0	345	62,4	420
B	27,6	175	21,9	284
C	14,6	145	10,2	187

Find and analyze:

- Individual price indices and indices of volume of goods;
- Aggregate index of price;
- Aggregate index of volume;
- Aggregate index of value of exported goods;
- Absolute value of change of the value of exported goods.
- Find the relationship between aggregate index of price, aggregate index of volume and aggregate index of value of exported goods.

2. The cost of production of export good A equals to 615 thousand USA dollars and good B – 278 thousand USA dollars. Currency receipts from export good A equals 420 thousand USA dollars and good B – 250 thousand USA dollars. Calculate and analyze the coefficients of currency efficiency of export goods.

3. The value of the country's export equals to 200 mln. USA dollars and the total turnover of international trade equals to 500 mln. USA dollars in the base period; the value of the country's export equals to 340 mln. USA dollars and the total turnover of international trade equals to 750 mln. USA dollars in the current period. Calculate and analyze the coverage ratio for base and current periods. Calculate and analyze base indexes of the coverage ratio of imports by exports.

Variant 21

1. Let consider the next information about export goods:

Table

Good	Base year		Current year	
	Price for unit, mln. USA $	Amount, t	Price for unit, mln. USA $	Amount, t
A	84,0	305	92,0	420
B	56,0	155	195	284
C	4,6,	85	7,8	72

Find and analyze:

- Individual price indices and indices of volume of goods;
- Aggregate index of price;
- Aggregate index of volume;
- Aggregate index of value of exported goods;
- Absolute value of change of the value of exported goods.
- Find the relationship between aggregate index of price, aggregate index of volume and aggregate index of value of exported goods.

2. The cost of production of export good A equals to 610 thousand USA dollars and good B – 240 thousand USA dollars. Currency receipts from export good A equals 450 thousand USA dollars and good B – 50 thousand USA dollars. Calculate and analyze the coefficients of currency efficiency of export goods.

3. The value of the country's export equals to 200 mln. USA dollars and the total turnover of international trade equals to 500 mln. USA dollars in the base period; the value of the country's export equals to 340 mln. USA dollars and the total turnover of international trade equals to 750 mln. USA dollars in the current period. Calculate and analyze the coverage ratio for base and current periods. Calculate and analyze base indexes of the coverage ratio of imports by exports.

Variant 22

1. Let consider the next information about export goods:

Table

Good	Base year		Current year	
	Price for unit, mln. USA $	Amount, t	Price for unit, mln. USA $	Amount, t
A	28,0	309	62,0	420
B	57,0	151	21,5	284
C	7,8	95	6,5	84

Find and analyze:

- Individual price indices and indices of volume of goods;
- Aggregate index of price;
- Aggregate index of volume;
- Aggregate index of value of exported goods;
- Absolute value of change of the value of exported goods.
- Find the relationship between aggregate index of price, aggregate index of volume and aggregate index of value of exported goods.

2. The cost of production of export good A equals to 710 thousand USA dollars and good B – 300 thousand USA dollars. Currency receipts from export good A equals 420 thousand USA dollars and good B – 259 thousand USA dollars. Calculate and analyze the coefficients of currency efficiency of export goods.

3. The value of the country's export equals to 200 mln. USA dollars and the total turnover of international trade equals to 500 mln. USA dollars in the base period; the value of the country's export equals to 340 mln. USA dollars and the total turnover of international trade equals to 750 mln. USA dollars in the current period. Calculate and analyze the coverage ratio for base and current periods. Calculate and analyze base indexes of the coverage ratio of imports by exports.

Variant 23

1. Let consider the next information about export goods:

Table

Good	Base year		Current year	
	Price for unit, mln. USA $	**Amount, t**	**Price for unit, mln. USA $**	**Amount, t**
A	18,0	405	62,6	420
B	87,2	156	21,5	284
C	9,7	65	10,5	96

Find and analyze:

- Individual price indices and indices of volume of goods;
- Aggregate index of price;
- Aggregate index of volume;
- Aggregate index of value of exported goods;
- Absolute value of change of the value of exported goods.
- Find the relationship between aggregate index of price, aggregate index of volume and aggregate index of value of exported goods.

2. The cost of production of export good A equals to 410 thousand USA dollars and good B – 100 thousand USA dollars. Currency receipts from export good A equals 420 thousand USA dollars and good B – 254 thousand USA dollars. Calculate and analyze the coefficients of currency efficiency of export goods.

3. The value of the country's export equals to 200 mln. USA dollars and the total turnover of international trade equals to 500 mln. USA dollars in the base period; the value of the country's export equals to 340 mln. USA dollars and the total turnover of international trade equals to 750 mln. USA dollars in the current period. Calculate and analyze the coverage ratio for base and current periods. Calculate and analyze base indexes of the coverage ratio of imports by exports.

Variant 24

1. Let consider the next information about export goods:

Table

Good	Base year		Current year	
	Price for unit, mln. USA $	**Amount, t**	**Price for unit, mln. USA $**	**Amount, t**
A	58,0	305	62,0	420
B	27,0	155	21,5	284
C	6,5	85	12,4	56

Find and analyze:

- Individual price indices and indices of volume of goods;
- Aggregate index of price;
- Aggregate index of volume;
- Aggregate index of value of exported goods;
- Absolute value of change of the value of exported goods.
- Find the relationship between aggregate index of price, aggregate index of volume and aggregate index of value of exported goods.

2. The cost of production of export good A equals to 310 thousand USA dollars and good B – 350 thousand USA dollars. Currency receipts from export good A equals 460 thousand USA dollars and good B – 250 thousand USA dollars. Calculate and analyze the coefficients of currency efficiency of export goods.

3. The value of the country's export equals to 200 mln. USA dollars and the total turnover of international trade equals to 500 mln. USA dollars in the base period; the value of the country's export equals to 340 mln. USA dollars and the total turnover of international trade equals to 750 mln. USA dollars in the current period. Calculate and analyze the coverage ratio for base and current periods. Calculate and analyze base indexes of the coverage ratio of imports by exports.

Variant 25

1. Let consider the next information about export goods:

Table

Good	Base year		Current year	
	Price for unit, mln. USA $	**Amount, t**	**Price for unit, mln. USA $**	**Amount, t**
A	62,0	315	62,5	430
B	29,0	145	21,8	294
C	9,6	85	6.4	95

Find and analyze:

- Individual price indices and indices of volume of goods;
- Aggregate index of price;
- Aggregate index of volume;
- Aggregate index of value of exported goods;
- Absolute value of change of the value of exported goods.
- Find the relationship between aggregate index of price, aggregate index of volume and aggregate index of value of exported goods.

2. The cost of production of export good A equals to 548 thousand USA dollars and good B – 200 thousand USA dollars. Currency receipts from export good A equals 420 thousand USA dollars and good B – 270 thousand USA dollars. Calculate and analyze the coefficients of currency efficiency of export goods.

3. The value of the country's export equals to 200 mln. USA dollars and the total turnover of international trade equals to 500 mln. USA dollars in the base period; the value of the country's export equals to 340 mln. USA dollars and the total turnover of international trade equals to 750 mln. USA dollars in the current period. Calculate and analyze the coverage ratio for base and current periods. Calculate and analyze base indexes of the coverage ratio of imports by exports.

Variant 26

1. Let consider the next information about export goods:

Table

Good	Base year		Current year	
	Price for unit, mln. USA $	**Amount, t**	**Price for unit, mln. USA $**	**Amount, t**
A	78,3	305	62,9	420
B	27,1	155	21,4	284
C	15,3	75	4,5	122

Find and analyze:

- Individual price indices and indices of volume of goods;
- Aggregate index of price;
- Aggregate index of volume;
- Aggregate index of value of exported goods;
- Absolute value of change of the value of exported goods.
- Find the relationship between aggregate index of price, aggregate index of volume and aggregate index of value of exported goods.

2. The cost of production of export good A equals to 619 thousand USA dollars and good B – 230 thousand USA dollars. Currency receipts from export good A equals 425 thousand USA dollars and good B – 257 thousand USA dollars. Calculate and analyze the coefficients of currency efficiency of export goods.

3. The value of the country's export equals to 200 mln. USA dollars and the total turnover of international trade equals to 500 mln. USA dollars in the base period; the value of the country's export equals to 340 mln. USA dollars and the total turnover of international trade equals to 750 mln. USA dollars in the current period. Calculate and analyze the coverage ratio for base and current periods. Calculate and analyze base indexes of the coverage ratio of imports by exports.

Variant 27

1. Let consider the next information about export goods:

Table

Good	Base year		Current year	
	Price for unit, mln. USA $	**Amount, t**	**Price for unit, mln. USA $**	**Amount, t**
A	58,6	301	62,3	420
B	27,9	152	21,5	284
C	8,6	54	12,5	41

Find and analyze:

- Individual price indices and indices of volume of goods;
- Aggregate index of price;
- Aggregate index of volume;
- Aggregate index of value of exported goods;
- Absolute value of change of the value of exported goods.
- Find the relationship between aggregate index of price, aggregate index of volume and aggregate index of value of exported goods.

2. The cost of production of export good A equals to 510 thousand USA dollars and good B – 210 thousand USA dollars. Currency receipts from export good A equals 424 thousand USA dollars and good B – 252 thousand USA dollars. Calculate and analyze the coefficients of currency efficiency of export goods.

3. The value of the country’s export equals to 200 mln. USA dollars and the total turnover of international trade equals to 500 mln. USA dollars in the base period; the value of the country’s export equals to 340 mln. USA dollars and the total turnover of international trade equals to 750 mln. USA dollars in the current period. Calculate and analyze the coverage ratio for base and current periods. Calculate and analyze base indexes of the coverage ratio of imports by exports.

Variant 28

1. Let consider the next information about export goods:

Table

Good	Base year		Current year	
	Price for unit, mln. USA $	**Amount, t**	**Price for unit, mln. USA $**	**Amount, t**
A	58,7	305	62,8	450
B	27,0	155	21,4	284
C	6,4	75	10,5	61

Find and analyze:

- Individual price indices and indices of volume of goods;
- Aggregate index of price;
- Aggregate index of volume;
- Aggregate index of value of exported goods;
- Absolute value of change of the value of exported goods.
- Find the relationship between aggregate index of price, aggregate index of volume and aggregate index of value of exported goods.

2. The cost of production of export good A equals to 645 thousand USA dollars and good B – 235 thousand USA dollars. Currency receipts from export good A equals 420 thousand USA dollars and good B – 250 thousand USA dollars. Calculate and analyze the coefficients of currency efficiency of export goods.

3. The value of the country's export equals to 200 mln. USA dollars and the total turnover of international trade equals to 500 mln. USA dollars in the base period; the value of the country's export equals to 340 mln. USA dollars and the total turnover of international trade equals to 750 mln. USA dollars in the current period. Calculate and analyze the coverage ratio for base and current periods. Calculate and analyze base indexes of the coverage ratio of imports by exports.

Variant 29

1. Let consider the next information about export goods:

Table

Good	Base year		Current year	
	Price for unit, mln. USA $	**Amount, t**	**Price for unit, mln. USA $**	**Amount, t**
A	58,5	355	62,5	420
B	27,3	157	21,5	284
C	14,8	79	8,6	74

Find and analyze:

- Individual price indices and indices of volume of goods;
- Aggregate index of price;
- Aggregate index of volume;
- Aggregate index of value of exported goods;
- Absolute value of change of the value of exported goods.
- Find the relationship between aggregate index of price, aggregate index of volume and aggregate index of value of exported goods.

2. The cost of production of export good A equals to 610 thousand USA dollars and good B – 250 thousand USA dollars. Currency receipts from export good A equals 420 thousand USA dollars and good B – 230 thousand USA dollars. Calculate and analyze the coefficients of currency efficiency of export goods.

3. The value of the country's export equals to 200 mln. USA dollars and the total turnover of international trade equals to 500 mln. USA dollars in the base period; the value of the country's export equals to 340 mln. USA dollars and the total turnover of international trade equals to 750 mln. USA dollars in the current period. Calculate and analyze the coverage ratio for base and current periods. Calculate and analyze base indexes of the coverage ratio of imports by exports.

Variant 30

1. Let consider the next information about export goods:

Table

Good	Base year		Current year	
	Price for unit, mln. USA $	**Amount, t**	**Price for unit, mln. USA $**	**Amount, t**
A	78,0	345	62,4	420
B	27,6	175	21,9	284
C	7,5	94	12,3	85

Find and analyze:

- Individual price indices and indices of volume of goods;
- Aggregate index of price;
- Aggregate index of volume;
- Aggregate index of value of exported goods;
- Absolute value of change of the value of exported goods.
- Find the relationship between aggregate index of price, aggregate index of volume and aggregate index of value of exported goods.

2. The cost of production of export good A equals to 614 thousand USA dollars and good B – 207 thousand USA dollars. Currency receipts from export good A equals 420 thousand USA dollars and good B – 255 thousand USA dollars. Calculate and analyze the coefficients of currency efficiency of export goods.

3. The value of the country's export equals to 200 mln. USA dollars and the total turnover of international trade equals to 500 mln. USA dollars in the base period; the value of the country's export equals to 340 mln. USA dollars and the total turnover of international trade equals to 750 mln. USA dollars in the current period. Calculate and analyze the coverage ratio for base and current periods. Calculate and analyze base indexes of the coverage ratio of imports by exports.