

Problems and Answers.
Solve the problem #1

In a survey, 612 linguists and philologists indicated their major professional activity. The results are summarized in the table. If one of the scientists is selected at random. What is the probability that the selected scientist is a linguists whose indicated professional activity is teaching?

	Teaching	Research
linguists	144	150
philologists	138	180

Solve the problem #2

In a survey, 636 mathematicians and chemists indicated their major professional activity. The results are summarized in the table. If one of the scientists is selected at random. What is the probability that the selected scientist is a mathematicians whose indicated professional activity is research?

	Teaching	Research
mathematicians	141	161
chemists	149	185

Solve the problem #3

In a survey, 624 mathematicians and economists indicated their major professional activity. The results are summarized in the table. If one of the scientists is selected at random. What is the probability that the selected scientist is a economists whose indicated professional activity is teaching?

	Teaching	Research
mathematicians	152	128
economists	148	196

Solve the problem #4

In a survey, 264 ecologists and linguists indicated their major professional activity. The results are summarized in the table. If one of the scientists is selected at random. What is the probability that the selected scientist is a linguists whose indicated professional activity is research?

	Teaching	Research
ecologists	53	63
linguists	59	89

Solve the problem #5

In a survey, 480 linguists and psychologists indicated their major professional activity. The results are summarized in the table. If one of the scientists is selected at random. What is the probability that the selected scientist is a linguists whose indicated professional activity is teaching?

	Teaching	Research
linguists	96	106
psychologists	101	177

Solve the problem #6

In a survey, 624 meteorologists and psychologists indicated their major professional activity. The results are summarized in the table. If one of the scientists is selected at random. What is the probability that the selected scientist is a meteorologists whose indicated professional activity is research?

	Teaching	Research
meteorologists	155	136
psychologists	147	186

Solve the problem #7

In a survey, 456 geologists and philologists indicated their major professional activity. The results are summarized in the table. If one of the scientists is selected at random. What is the probability that the selected scientist is a philologists whose indicated professional activity is teaching?

	Teaching	Research
geologists	95	113
philologists	94	154

Problems and Answers.
Solve the problem #1

In a survey, 612 linguists and philologists indicated their major professional activity. The results are summarized in the table. If one of the scientists is selected at random. What is the probability that the selected scientist is a linguists whose indicated professional activity is teaching?

	Teaching	Research
linguists	144	150
philologists	138	180

4/17

Solve the problem #2

In a survey, 636 mathematicians and chemists indicated their major professional activity. The results are summarized in the table. If one of the scientists is selected at random. What is the probability that the selected scientist is a mathematicians whose indicated professional activity is research?

	Teaching	Research
mathematicians	141	161
chemists	149	185

161/636

Solve the problem #3

In a survey, 624 mathematicians and economists indicated their major professional activity. The results are summarized in the table. If one of the scientists is selected at random. What is the probability that the selected scientist is a economists whose indicated professional activity is teaching?

	Teaching	Research
mathematicians	152	128
economists	148	196

37/156

Solve the problem #4

In a survey, 264 ecologists and linguists indicated their major professional activity. The results are summarized in the table. If one of the scientists is selected at random. What is the probability that the selected scientist is a linguists whose indicated professional activity is research?

	Teaching	Research
ecologists	53	63
linguists	59	89

89/264

Solve the problem #5

In a survey, 480 linguists and psychologists indicated their major professional activity. The results are summarized in the table. If one of the scientists is selected at random. What is the probability that the selected scientist is a linguists whose indicated professional activity is teaching?

	Teaching	Research
linguists	96	106
psychologists	101	177

1/5

Solve the problem #6

In a survey, 624 meteorologists and psychologists indicated their major professional activity. The results are summarized in the table. If one of the scientists is selected at random. What is the probability that the selected scientist is a meteorologists whose indicated professional activity is research?

	Teaching	Research
meteorologists	155	136
psychologists	147	186

17/78

Solve the problem #7

In a survey, 456 geologists and philologists indicated their major professional activity. The results are summarized in the table. If one of the scientists is selected at random. What is the probability that the selected scientist is a philologists whose indicated professional activity is teaching?

	Teaching	Research
geologists	95	113
philologists	94	154

47/228